MAGNITUDE AND FREQUENCY OF LOW STREAMFLOWS IN NEW HAMPSHIRE

DEPARTMENT OF THE ARMY
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The purpose of this study is to investigate the magnitude frequency relationships of naturally occurring low flows on streams in New Hampshire to facilitate decision making in the management of water resources in the state. This project conducted a literature search to establish the availability of any regional low flow frequency studies that may have been performed for the State of New Hampshire, and identified existing water resource projects affecting low flows in the respective river basins. The report also included the development of a simple procedure for estimating low flow for natural (unregulated), ungaged streams in New Hampshire; past studies on low flow rates, and the development of a procedure to estimate low flows in ungaged watersheds in New Hampshire.

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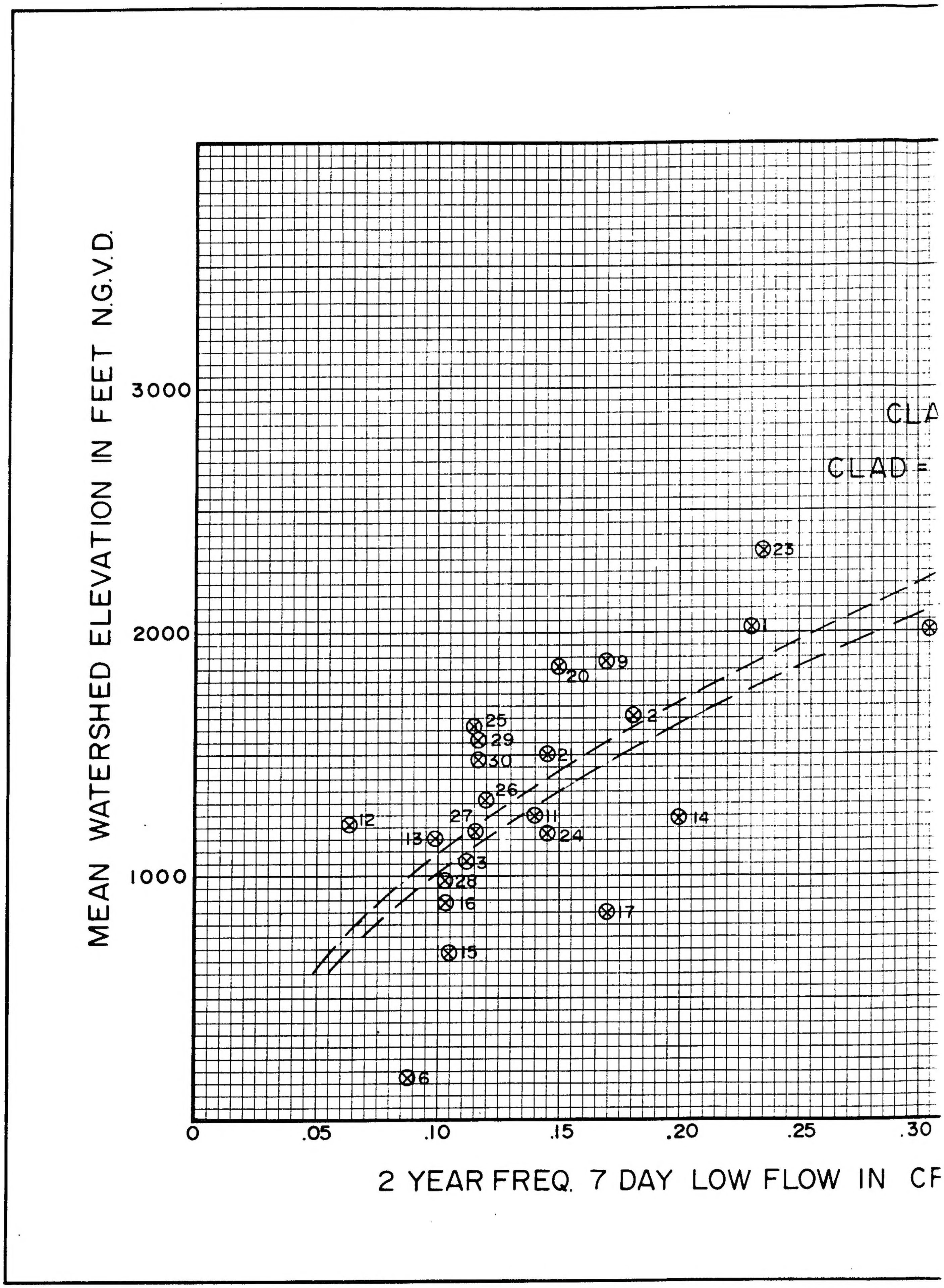
FOREWORD

This study was conducted for the State of New Hampshire under Section 22 Authority. It was performed by Anderson Nichols Co., Inc. under contract to the Hydrologic Engineering Section of the Water Control Branch. The study was designed to be exploratory in nature and the findings are reported for use and comment by field personnel. Responses to the study report will be used in determining the need and direction of any further studies.

The main report discusses regression analyses made of regional low flow data. Appendix "A" presents the regional low flow data in graphical form and Appendix "B" contains summary computer printouts of the "WATSTOR" low flow data.

Supplemental comments and recommendations are as follows:

1. The developed regression equations indicate zero or negative low flows for watershed at or below elevation 600 feet NGVD, and the author suggested (page 59) that, in such cases, a minimum flow value of 0.0001 csm be assumed. It is now concluded that there is no basis for selecting this value and it is probably excessively low. Since much of the basic data used in the analyses was "bunched" about the 1,000 foot elevation (see attachments 1 and 2) there is little rationale for extrapolation below this elevation. It is therefore recommended that, for watersheds less than 1,000 feet in elevation, a minimum "E" of 1,000 feet be adopted for use in the developed equations.
2. It is emphasized that the watershed elevation "E", used in the analyses is not the elevation of the stream at the point of interest but is the mean elevation of the contributing watershed (see page 39).
3. The term, "usable storage", as used in this report, refers to the approximate regulated storage capacity of a reservoir. Such maximum storage capacity should not be interpreted, in all cases, as necessarily usable, as the term might apply.



MEAN WATERSHED ELEVATION IN FEET N.G.V.D.
3000
2000
1000
0
.05
.10
.15
.20
.25
.30
2 YEAR FREQ. 7 DAY LOW FLOW IN CF
CLA
CLAD =
23
1
9
20
2
25
29
30
21
26
27
11
14
12
13
24
3
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16
17
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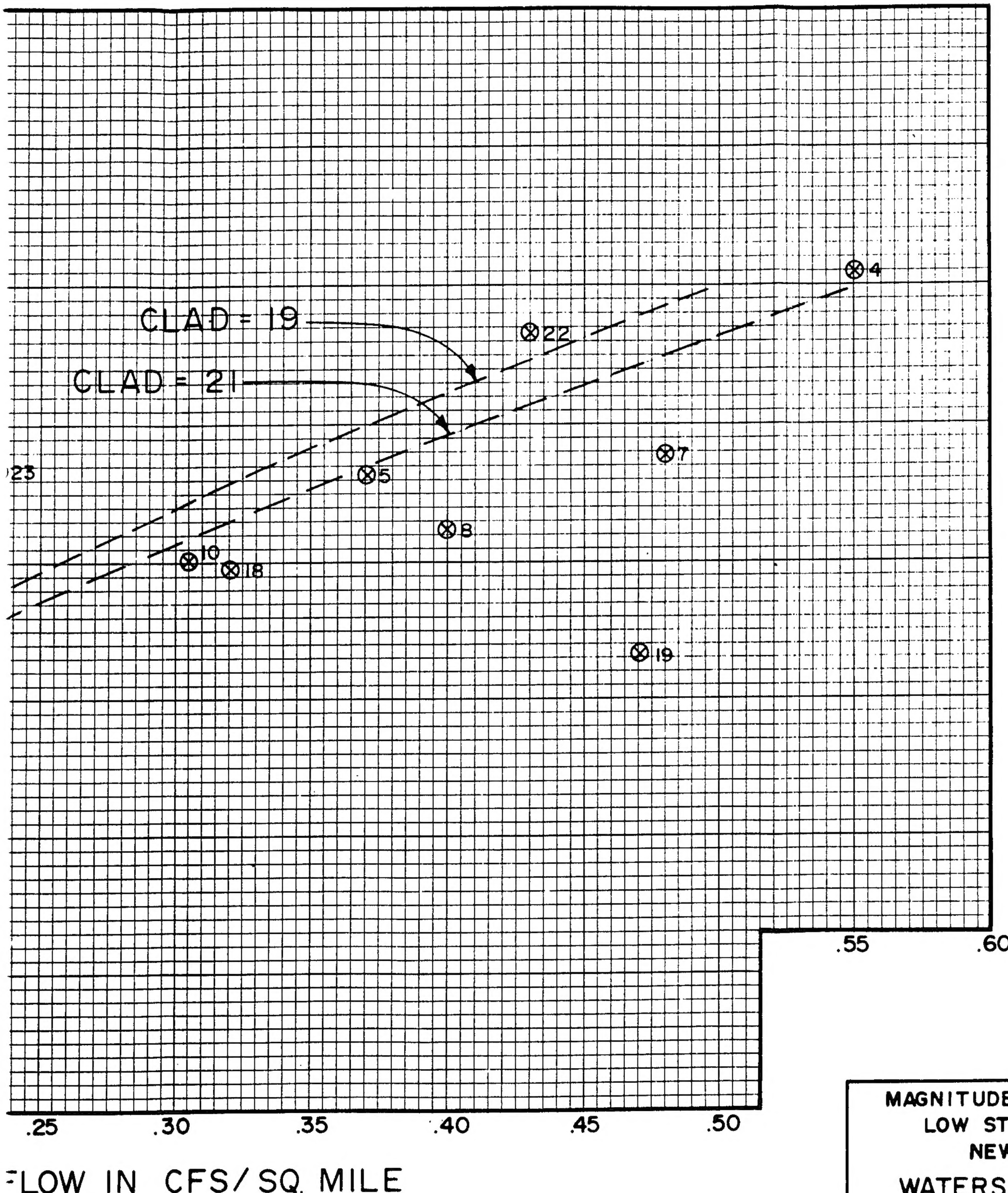
6

(1)



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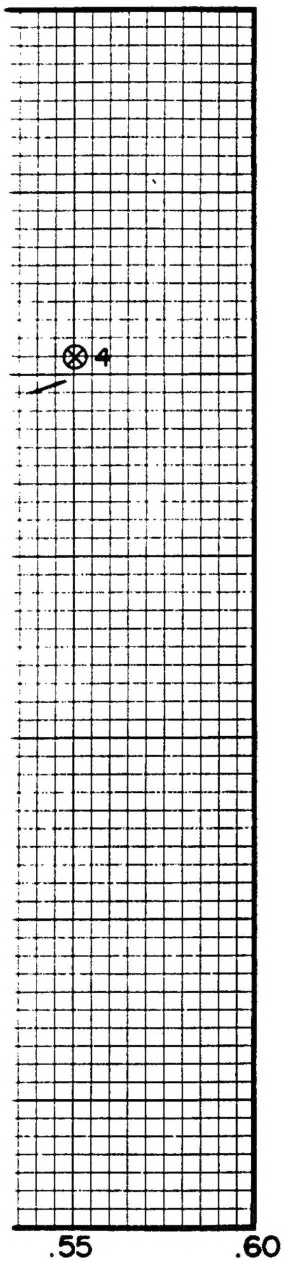

MAGNITUDE AND FREQUENCY OF
LOW STREAMFLOWS IN
NEW HAMPSHIRE

WATERSHED ELEVATION
VS.
2 YR.-7 DAY LOW FLOW

DECEMBER 1980

LIST OF PLOTTED DATA ON ATTACHMENT 1

(See pages 1 and 2, Appendix A for Station Index)

Plot	USGS Station	Mean Watershed Elevation (ft. NGVD)	2 year Frequency (50%) 7 Day Low Flow (cfs/sq. mi.)
1	01052500	2030	.21
2	01054300	1654	.16
3	01057000	1053	.09
4	01064300	3050	.53
5	01064500	2320	.35
6	01073000	170	.06
7	01074500	2390	.46
8	01075000	2120	.38
9	01076000	1890	.15
10	01076500	2010	.28
11	01078000	1250	.12
12	01084500	1214	.04
13	01086500	1150	.08
14	01087000	1240	.18
15	01089000	680	.08
16	01091000	889	.08
17	01094000	850	.15
18	01130000	1970	.30
19	01133000	1666	.45
20	01134500	1865	.13
21	01135000	1500	.12
22	01137500	2840	.41
23	01138000	2340	.21
24	01142500	1165	.12
25	01145000	1610	.09
26	01153500	1300	.10
27	01154000	1171	.09
28	01155000	960	.08
29	01156000	1561	.09
30	01160000	1480	.09

ACKNOWLEDGMENT

This study and report was prepared by Anderson-Nichols & Co., Inc. Concord, New Hampshire under contract to the New England Division, Corps of Engineers, Waltham, Massachusetts.

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I. INTRODUCTION

PURPOSE OF STUDY

Information on low flows is useful for a wide range of planning, design and management applications in water supply, hydroelectric power generation, fish and wildlife protection, cooling water and effluent dilution, navigation, recreation, and the preservation of aesthetic features of lakes and streams. With the rapid growth of population in New Hampshire, the demands for low flow information have become imperative. The purpose of this study is to investigate the magnitude-frequency relationships of naturally occuring low flows on streams in New Hampshire to facilitate decision making in the management of water resources in the state.

SCOPE OF STUDY

The scope of work for this project included the following tasks:

1) Conduct a literature search to establish the availability of any regional low flow frequency studies that may have been performed for the State of New Hampshire;

2) Identify existing water resource projects affecting low flows in the respective river basins; ascertain pertinent data on these projects and present operating rules and/or procedures; assess the probable effect of regulation from existing projects on downstream flow;

3) Develop a simple procedure for estimating low flow for natural (unregulated), ungaged streams in New Hampshire.

In this report, past studies on low flow rates are reviewed. The development of a procedure to estimate low flows in ungaged watersheds in New Hampshire, and the statistical testing of the procedure are described, and a brief list of conclusions is provided. Finally, the steps for application of the procedure are outlined. The appendices contain low flow frequency curves and flow duration curves for the 30 watersheds examined in the study, and selected low flow data from the U.S. Geological Survey's WATSTORE file for 65 gages. The set of 65 gages is comprised of all New Hampshire gages, as well as those gages in Maine and Vermont that were included in the statistical analyses for this study.

II. LITERATURE REVIEW

INTRODUCTION

The State of New Hampshire has clearly recognized the need for information on low flow discharge rates of streams and for a methodology to estimate the low flows of various durations in ungaged watersheds. In many other areas of the nation, there is a similar need. Recently, the Task Committee on Low Flow Evaluation, Methods and Needs, of the Committee on Surface Water Hydrology of the Hydraulics Division of the American Society of Civil Engineers, conducted an investigation with the following objectives: to determine types of low flow information needed for typical problems; to describe various low flow characteristics as well as methods and data needed for defining those characteristics and their accuracy; and to suggest further analyses and data collection needs. During its investigation, the Task Committee found that, (1) methods are available for defining low flow characteristics from flow records and from base flow measurements; (2) methods for estimating low flow characteristics at sites without any flow data are inadequate for certain purposes; and (3) the use of standardized methods for defining various low flow characteristics such as the annual m-day low flow or the minimum flow of record, is not possible yet because variations in the amount and reliability of data at different sites require that different methods be used depending on the data available. This Committee's study did not include an investigation of the effects of basin factors on low flows because it believed

that those effects are "difficult to describe quantitatively and therefore are of little value in estimating low flow characteristics" (Task Committee, 1980, p. 717). Despite the beliefs of the Task Committee, our literature review revealed that several investigators have achieved some degree of success in analyzing the relationships among low flow discharge rates and watershed and climatic parameters. A limited number of these studies have been conducted in northeastern United States. At the outset of the present investigation, these past studies were reviewed for information on methodology, variables considered in the analyses, and findings. A brief discussion of these studies is outlined below.

RESEARCH METHODOLOGIES

Flow Duration Curves

As defined by Searcy (1959, p. 1), the flow duration curve is "a cumulative frequency curve that shows the percent of time specified discharges were equalled or exceeded during a given period. It combines in one curve the flow characteristics of a stream throughout the range of discharge without regard to the sequence of occurrence." Flow duration curves are useful in comparing one watershed to another.

The slope of the lower end of a flow duration curve indicates the storage characteristics of a watershed: a flat slope indicates a watershed with a relatively large amount of water in storage and thus relatively greater low flow rates, while a steep slope

indicates a watershed with less water in storage and thus relatively lesser low flow rates. Estimates of flow duration curves for sites on ungaged streams can be made by establishing a relation between that stream and nearby gaged streams through plots of concurrent baseflow discharge measurements in the streams.

A flow duration curve is therefore a summary of all daily flows for the period on which it is based, with no regard to sequence. In contrast, low flow frequencies, which are based on annual low flows for a specified number of consecutive days, are more related to the occurrence of drought (Hely and Olmsted, 1963). Low flow frequency characteristics of ungaged streams can be estimated from regional relations of discharge to drainage area in regions homogeneous with respect to geology, topography and climate. The relations are developed from concurrent baseflow measurements on gaged streams over time. Identification of seepage runs, which consist of measuring discharge along a channel reach during a period of base flow, can further refine estimates of flows at ungaged sites along a stream (Riggs, 1972). In each of these methods, the influence of watershed characteristics on low flows is recognized.

Watershed Characteristics and Low Flows

The relationship between the physical characteristics of a watershed and stream flow has been examined by investigators using a variety of methodologies. The factors being studied determine which method of analysis best applies. The principal natural factors, which are examined individually and in combinations as influences on

streamflow, include watershed size, precipitation, surficial geology, elevation, vegetation, and slope. Recent investigations of watersheds in New England (e.g., Dingman, 1978; Tasker, 1972; Comer and Zimmerman, 1969; Comer and Dunne, 1968; Thomas, 1966) have found elevation and surficial geology to be useful in estimating low flow discharge rates.

Low flow discharges are obviously related to precipitation, as it is the water input to the physical system of the watershed. The relationship between precipitation and low flow discharge rates, however, is an indirect one. The volume of precipitation that eventually enters a stream channel during a low flow period is mediated through several factors: climate, which determines the evapotranspiration rates, as well as the amount and form of the precipitation; the geology of a catchment, which determines infiltration and groundwater flow rates; the topography of the watershed, which affects rates of runoff and infiltration; and land use and vegetative cover which influence rates of runoff, infiltration, evaporation, and transpiration.

Various precipitation factors have been investigated as indicators of low flow discharge rates. Thomas and Benson (1975) studied the relationship between streamflow and several watershed characteristics in four regions of the United States. They found that three low flow parameters ... are significantly related to mean annual precipitation but not to precipitation intensity (24 hr, 2 yr) in the eastern region. However, they cautioned that the relations which they defined for low flow estimates are unreliable

and can provide only rough estimates of low flow discharge rates at ungaged sites. In contrast, Lull and Sopper (1966) found that mean daily discharges of the 90% flow duration were correlated with precipitation intensity (24 hr, 2 yr) slightly more than with average annual precipitation at the nearest weather station. However, their regression equation is only able to explain 23% of the variance in that low flow parameter.

Other investigators have examined the role of precipitation as an influence on low flow in greater detail. Comer and Dunne (1968) developed a precipitation index by using recession constants of streams in northeastern Vermont to weight daily rainfall amounts before and during the times of minimum streamflows. This precipitation index is then multiplied by a factor determined from either drainage density (for watersheds underlain by poorly drained soils), or stream frequency (for watersheds underlain by well-drained soils) to predict minimum streamflows. Correlation of the precipitation index with the minimum streamflow volumes yielded coefficients of determination (R^2) ranging from 0.87 to 0.97.

Chang and Boyer (1977) used estimates of the September 10-year maximum consecutive rainless days and the September mean 7-day 10-year maximum daily temperature as climatic parameters in an investigation of low flows on 12 Monongahela tributaries in West Virginia. These climatic parameters were used in the analysis as indices of the evaporative power and drought potential of the low flow period. This study also demonstrates the value of using a precipitation factor which has a clearly defined and logical

relation to low flows; the regression equation developed in this investigation is able to explain 99% of the variance in the minimum 7-day 10-year flow. In general, those investigators who have attempted to select variables which are representative of the physical processes of runoff, infiltration and evapotranspiration have been more successful in using a precipitation parameter to estimate low flows.

In many watersheds in New England, streamflow during the summer and early autumn consists primarily of groundwater flow. This fact suggests that the geology of a watershed may be an important influence on low flow discharge rates. As described earlier, Searcy (1959) demonstrated that estimates of flow duration curves at sites on ungaged streams can be made by establishing a relation between that stream and nearby gaged streams through plots of concurrent baseflow discharge measurements on the streams. Tasker (1972) developed a method for estimating low-flow characteristics of ungaged streams in southeastern Massachusetts from basic geologic factors and ground water availability maps. He defines a "groundwater factor" as a rough approximation of the average transmissivity, in hundreds of gallons per day per foot, of the watershed. Through regression analysis, the relationships between the 7-day mean low flow at the 2- and 10-year recurrence intervals and the two independent variables, drainage area and the groundwater factor, are defined.

Hely and Olmsted (1963) believe that the geologic character of a drainage basin is the "terrestrial factor" most influential on

streamflow. They demonstrated the close relationship between lithology and low flow in 19 watersheds in northeastern United States. Average values of Q_{90}/Q_a (where Q_{90} = the discharge equalled or exceeded 90 percent of time; and Q_a = the average annual discharge) were determined. For each watershed, the area underlain by each geologic formation was weighted according to these average values of Q_{90}/Q_a. The correlation coefficient between the estimates of low flow based on geology and the actual low flow for the sub-basins was 0.9.

Thomas (1966) found a direct relationship between surficial geology and low flow in 23 watersheds in Connecticut. Flow duration curves for these watersheds show that the "median annual minimum 7-day average flow ... is 1.30 cfs per square mile from a drainage area underlain exclusively by stratified drift, and only 0.013 cfs per square mile from an area underlain exclusively by till, a ratio of 100 to 1" (Thomas, 1966, p. B209). Streams in the Susquehanna River basin exhibit the same relationship between surficial geology and low flow values (Ku, Randall, and McNish, 1975).

Cross (1949) compared flow duration curves of several watersheds in Ohio and attributed the differences in shape to variations in the geologic characteristics among the watersheds. He concluded that it is valid to predict the geologic characteristics of a watershed from an analysis of its flow duration curve, but that the converse is not a valid approach.

A study by Comer and Zimmerman (1969) of two streams in northern Vermont attributed differences in discharge rates (of flow durations

ranging from 1 to 30 days) to differences in topography and soils. Flow duration curves for the two small (3.2 and 8.4 square miles) watersheds were compared. Since the climate, geology and land use are similar, the infiltration and drainage characteristics of the soil types in the two watersheds are believed to be the major influence on the low flow rates of the streams.

Ives (1977) conducted an empirical analysis of flow duration curves in an attempt to define a method for estimating discharge rates in ungaged watersheds in New Hampshire. No significant correlation was found between two baseflow parameters (Q_{90}/Q_a and Q_{98}/Q_a) and watershed size for the 14 watersheds in New Hampshire. An attempt to relate low flow discharge rates and surficial geology produced unsatisfactory results due to lack of detailed soils or geologic data. Regional groupings of watersheds reflect variations in mean annual runoff; however, this information does not aid in the prediction of flow distribution in an ungaged watershed.

In contrast, Dingman (1978) investigated 53 watersheds in New Hampshire and found that estimated mean watershed elevation is significantly correlated with the ratio of flow exceeded 95% of the time to drainage area Q_{95}/A_D (ft^3/mi^2). He explains that the importance of elevation as an influence on low flow rates is due to lower temperatures and evapotranspiration rates, as well as greater and longer-lasting snowpack at higher elevations. Thus, these factors hold moisture in the watershed and result in a more even streamflow throughout the year. Flow duration curves for

ungaged streams can be approximated by calculating values for the 2%, 5%, 30% and 95% durations using equations developed in this article, and then plotting these values on log-probablility paper and drawing a smooth curve through the points. Calculation of the 95% confidence limits for these flow duration curves is also explained. In this investigation, mean watershed elevation is estimated by a regression equation developed from data for watersheds in New Hampshire. Dingman states that the use of measured mean watershed elevation can significantly reduce the confidence intervals about the estimated values.

The relationship between climate and elevation was also recognized by Chang and Boyer (1977) in their investigation in West Virginia. They used regressions of elevation and latitude with temperature and precipitation parameters at weather stations in the area, to estimate values of those climatic parameters in the watersheds being studied. They pointed out the high correlation between elevation and latitude and the temperature and precipitation factors.

Other investigators have attempted to determine the relative influence of several watershed characteristics on streamflow rates. Lull and Sopper (1966) examined the role of 14 independent variables as influences on seasonal average dischage rates as well as on various flow durations in 137 small (less than 100 square miles) watersheds in the northeastern United States. They found that the most influential basin characteristics are precipitation, percent of the watershed in forest cover, elevation, latitude, average July

maximum temperature, and the percent of watershed area that is swamp. However, none of the factors is highly correlated with the 90% duration flow.

Studies which examine the relationship between vegetation and low flow discharge rates have yielded contradictory results. In two studies, forest cover is found to be inversely related to streamflow in watersheds in New England and New York (Schneider and Ayer, 1961; Lull and Reinhart, 1967). These studies were conducted in experimental watersheds and consisted of monitoring streamflow in forested catchments before and after clearcutting the basins. In each case, streamflow increased after the trees were cut; the increases in discharges were attributed to decreased evapotranspiration losses. In contrast, Lull and Sopper (1966) found a positive correlation between runoff and the proportion of a watershed in forest. The authors suggest that forested land may integrate a number of factors, such as slope, latitude, temperature and soils, which produce greater runoff. In addition, they emphasize the likelihood that the yield of streams in these watersheds would increase if the trees were cut and the evapotranspiration losses decreased.

Few studies of low flows in northeastern United States have identified slope as an important influence on low flow discharge rates. Valley slope (change in valley bottom altitude over the same valley reach divided by valley length), was found to be significant in a regression equation for the 7-day two year low flow, but not in the equation for the 7-day ten year low flow (Ku, Randall, and

McNish, 1975). Lull and Sopper (1966) found a correlation coefficient of less than ± 0.316 between main channel slope and average annual and average seasonal (four seasons) runoff.

Other natural characteristics of watersheds have been examined in attempts to determine their relationship to streamflow. Examples of these are latitude, aspect, average July maximum temperature, percentage of swamp in the basin (Lull and Sopper, 1966); valley length, sinuousity, valley slope, length^2/area, solar radiation factor (Ku, Randall and McNish, 1975) and stream density (Hely and Olmsted, 1963).

CONCLUSIONS

The relationship between the precipitation that falls on a watershed and the discharge of the stream draining is an indirect one. Natural characteristics of the catchment influence the runoff, infiltration, and evapotranspiration processes which operate in the watershed. The influences of natural factors on streamflow have been studied in experimental and natural watersheds. In northeastern United States, low flows are found to be positively correlated with elevation in New Hampshire and the percentage of the watershed underlain by stratified drift in Connecticut and inversely related to vegetative cover in both New England and New York. To effectively manage the water resources in New Hampshire, an accurate method for predicting low flow discharge rates in ungaged watersheds would be desirable. Definition of the relationships between watershed characteristics and streamflow is a necessary first step.

III. REGIONAL ANALYSIS OF LOW FLOW DISCHARGE RATES

DESCRIPTION OF PHYSICAL ENVIRONMENT

Geomorphology

New Hampshire can be broken into three general classes of landforms: the coastal plain, the lowlands and foot hills, and the mountains. The southeastern corner of the state is mainly coastal plain, the center of the state is mainly lowlands/foothills and the northern portion of the state is mountainous. There is a gradual increase in elevation and surface irregularity proceeding from the south to the north. Unconsolidated deposits in the mountainous region are predominantly composed of thin layers of till with pockets of stratified drift. The areas of stratified drift, which consists of sands, gravels, and clays, are found in the valleys of the major streams. The lowland/foothills region is characterized by somewhat thicker layers of till on the slopes with more frequent and larger areal distributions of stratified drift along the region's streams. Deposits of marine clays and sands, interspersed with till, which are found in the coastal plain, indicate that the area was below sea level at one time.

Climate

Two factors in the state geography control major aspects of the regional climate: topography and proximity to the ocean. Topography appears to play a major, complex role, affecting temperature, precipitation, moisture storage, and stream discharges. Moist air masses tend to enter the state from the southeast, south, southwest

and west. As they pass through the state towards the east, northeast and north, elevation changes in the ground surface force the air mass aloft, causing cooling by decompression, and precipitation. The areas of highest mean annual precipitation are in the northern portion of the state.

Topography also affects the mean annual temperature within the state. Increases in elevation cause a gradual drop in mean temperature (about 3.5° F per 1000 ft. in elevation). Therefore, the higher elevations tend to be colder, to have a greater portion of their precipitation as snow, and to have snowmelt discharges throughout greater portions of the year.

Proximity to the ocean has a moderating effect on the temperature variations throughout the year. Sites close to the ocean tend toward milder winters and summers, while inland sites tend toward colder winters and warmer summers.

GENERAL PROCESSES THAT CONTROL WATERSHED LOW FLOWS

To predict low flow,it is necessary first to understand the basics of the operating system that produce low flow. Moisture from precipitation flows directly to the stream or surface detention areas, such as lakes and ponds, or infiltrates the ground surface. The infiltrated moisture is capable of flowing through the soil and downslope to the nearest stream, but will generally do so only when the soil moisture storage has exceeded its holding capacity. Since soil moisture is withdrawn through the evapotranspiration process, soils tend to be drier during warmer seasons of the year.

Therefore, less water is free for streamflow during periods of higher evapotranspiration, and precipitation plays a seasonally changing role in stream water supply throughout the year.

The relationship between precipitaton and streamflow is further confounded by the movement of water through the ground. The potential volume of water which accumulates in and moves through the soil and subsurface layers is directly related to the type of geologic material which comprises these layers. Porous materials, such as sands and gravels, can collect and store large amounts of water and release it freely to streams. Flow of water from these porous layers to stream channels augments streamflow during times of drought. Watersheds drained by porous aquifers generally have more moderate flows during extreme wet and dry periods. In contrast, solid bedrock and fine-grained sediments, such as clays, permit minimal infiltration and movement of water through the subsurface layers. Runoff in these watersheds flows directly over the ground surface to the stream channels producing a "flashy" stream. Since there is limited potential for groundwater contribution to streamflow during times of drought, these streams tend to have extreme low, as well as high flows. The watershed geology and its interrelationships with other geomorphic characteristics of a watershed, such as elevation, slope, and surface storage, therefore, influence the severity of any climatically-induced low flow event.

LOW FLOW MODELING

Selection of Modeling Methodology

One objective of this study is to provide a procedure that can be used to estimate low flows in ungaged watersheds with limited data on physical parameters. This implies that the procedure must be developed from available data and from an understanding of the systems operating within these watersheds.

Since the study will be applied to watersheds with limited data, simulation models can probably be eliminated as a viable approach. Measurements of baseflow and investigation of seepage runs were also determined to be beyond the limits of the scope of work for this study although several sources had advocated concurrent baseflow measurements for specific predictions of low flows in ungaged watersheds. The problem can be dealt with through some form of a statistical model. Statistical models (regression, factor analysis) allow the researcher to quantify the relationships between key controlling variables and a dependent variable. In this case, the objective is to relate certain climatic and watershed geomorphologic variables to low flow rates.

Application of statistical models creates some significant temporal and spatial issues that must be resolved before the model is developed. These models are based on a sample of watersheds with known flow, climatic, and geomorphologic data. These data are then used to explain the interwatershed variation in flow, or in this case, low flow. The independent variables used (climate and geomorphology) must reflect both the spatial and temporal changes in

conditions that influence low flow. For example, the amount of precipitation will be critical in determining peak and low flows for any given watershed, but the amount of precipitation will vary from watershed to watershed (spatial variation). Also, the distribution of precipitation throughout a single year (temporal variation) may vary from watershed to watershed. Two watersheds with similar annual rainfall may have significantly different dry season precipitation, resulting in significantly different low flows. The selection of variables should reflect a functional relationship with the spatial and temporal variations in low flow controls.

Once these variables have been selected and quantified, they can be related to low flows through the use of linear or non-linear regression techniques. These techniques will use interwatershed variations in both the independent (climatic and geomorphologic) and dependent (low flow) variables to create an equation that expresses the relationship between the two. Once the equation has been computed and tested, it can be used to estimate low flow events in ungaged watersheds.

Selection of Watersheds

The statistical analyses performed in this study and the resulting regression equations utilized streamflow data obtained from U.S. Geological Survey (USGS) stream gaging stations located in New Hampshire or in close geographic proximity to New Hampshire. The intended use of these equations is to estimate low flow values for "natural" conditions on New Hampshire streams. Therefore, the

USGS gages selected for use in the regional analysis were determined to have streamflow data representative of natural low flow conditions. The equations were developed and tested using data obtained from 30 USGS gaging stations located in New Hampshire, Vermont and Maine. Average and minimum low flow data (in cubic feet per second per square mile, or csm) for the 1-, 7-, 30-, 90-, 183-, and 365-day durations for the period of record for each of the 30 gages are given in Table 1.

The gages utilized in the regional analysis were selected using the following procedure. As stated in the scope of work, gages first had to meet two criteria: 1) have a contributing drainage area of 10 square miles or greater; and 2) possess 15 years or more of continuous records. A list of gages was compiled using recent USGS Water Resource Data reports for New Hampshire, Vermont, Maine and Massachusetts. Several discontinued gages which did not appear in the recent USGS Water Resources Data reports were added to the list. The final list of stream gages which met the criteria for drainage area size and length of continuous record included 89 gages located in New Hampshire, Vermont, Maine, and Massachusetts. Fifty-four of the gages fall within the boundaries of New Hampshire.

The 89 gages were further investigated to determine which ones provided data representative of natural low flow conditions. The initial step of this investigation determined which streamflow records were affected by regulation using the information contained in recent USGS Water Resources Data reports. Generally, the most pertinent information contained in these reports was included in the

TABLE 1

HISTORIC FLOW DATA: GAGES USED IN REGIONAL ANALYSIS

Basin USGS ID No.	Description	Period of Record	DA (mi^2)	Mean Annual Low Flow (csm) For Following Durations (days) 1	7	30	90	183	365	Minimum Low Flow (csm) of Record For Following Durations in Days 1	7	30	90	183	365
Androscoggin River															
01052500	Diamond R. nr Wentworth Location, NH	1943-1978	153	.1805	.2178	.3355	.6073	1.1852	2.3036	.0444	.0588	.1438	.1307	.4052	1.6797
01054300	Ellis R. at South Andover, ME	1964-1979	131	.1727	.1880	.2562	.4322	.9795	1.9504	.0916	.0992	.1374	.2214	.3282	1.1069
01057000	Little Androscoggin R. nr South Paris, ME	1915-1979	76.2	.0965	.1187	.2064	.3903	.7860	1.8377	.0131	.0131	.0289	.0787	.1444	.8136
Saco River															
01064300	Ellis R. nr Jackson, NH	1965-1979	10.9	.5058	.5346	.6575	1.0232	1.8440	3.0887	.2477	.2661	.2844	.4679	.8716	2.2018
01064500	Saco R. nr Conway, NH	1905-1978	386	.3404	.3724	.4902	.7227	1.2610	2.4132	.1710	.1917	.2409	.3549	.5052	1.4197
Piscataqua River															
01073000	Oyster R. nr Durham, NH	1936-1979	12.1	.0688	.0793	.1153	.2120	.4959	1.6037	.0289	.0355	.0454	.0603	.0909	.7273
Merrimack River															
01074500	E.Branch Pemigewasset R. nr Lincoln, NH	1930-1953	104	.4066	.4471	.5549	.8658	1.5324	2.8946	.125	.125	.1538	.25	.4038	2.0577
01075000	Pemigewasset R. at Woodstock, NH	1941-1977	193	.3674	.4040	.5260	.8331	1.4870	2.6802	.2176	.2228	.2487	.3316	.3990	1.8446
01076000	Baker R. nr Rumney, NH	1930-1977	143	.1541	.1700	.2469	.4270	.8148	1.7851	.0769	.0839	.1119	.1538	.2308	1.0350
01076500	Pemigewasset R. nr Plymouth, NH	1905-1978	622	.2660	.3033	.4057	.6310	1.1292	2.1884	.0723	.1061	.1592	.1849	.3440	1.3874

TABLE 1 (Continued)

HISTORIC FLOW DATA: GAGES USED IN REGIONAL ANALYSIS

Basin USGS ID No.	Description	Period of Record	DA (mi^2)	Mean Annual Low Flow (csm) For Following Durations (days) 1	7	30	90	183	365	Minimum Low Flow (csm) of Record For Following Durations in Days 1	7	30	90	183	365
Merrimack River (continued)															
01078000	Smith R. nr Bristol, NH	1920-1979	85.8	.1092	.1343	.1966	.3331	.6521	1.6657	.0315	.0373	.0524	.1014	.1865	.8275
01084500	Beards Br. nr Hillsboro, NH	1947-1970	55.4	.0512	.0627	.1126	.2255	.5356	1.6464	.0054	.0085	.0179	.0289	.0614	.7581
01086000	Warner R. nr Davisville, NH	1941-1978	146	.0790	.0944	.1321	.2432	.5698	1.6386	.0192	.0226	.0253	.0411	.1164	.7808
01087000	Blackwater R. nr Webster, NH	1920-1979	129	.1766	.1948	.2457	.3814	.6768	1.6462	.0589	.0651	.0698	.1085	.1938	.7984
01089000	Soucook R. nr Concord, NH	1953-1980	76.8	.0792	.0897	.1296	.2223	.4972	1.4253	.0299	.0338	.0456	.0547	.1185	.7161
01091000	S.Branch Piscataquog R. nr Goffstown, NH	1942-1978	104	.0822	.0964	.1484	.2618	.5834	1.5896	.0231	.0279	.0413	.0548	.125	.7308
01094000	Souhegan R. at Merrimack, NH	1911-1976	171	.1431	.1682	.2235	.3390	.6316	1.6689	.0234	.0281	.0415	.0760	.1404	.7368
Connecticut River															
01130000	Upper Ammonoosuc R. nr Groveton, NH	1942-1980	232	.2754	.3118	.4125	.6341	1.0575	2.1001	.1379	.1595	.2026	.2543	.3405	1.444
01133000	E.Branch Passumpsic R. nr East Haven, VT	1941-1979	53.8	.4007	.4559	.6063	.8550	1.2207	1.9817	.2416	.2602	.4461	.6134	.7249	1.3197
01134500	Moose R. nr Victory, VT	1948-1979	75.2	.1172	.1449	.2836	.5045	.9429	1.9091	.0372	.0572	.1104	.2261	.2527	1.3165
01135000	Moose R. nr St. Johnsbury, VT	1930-1979	128	.1136	.1382	.2408	.4267	.8223	1.7481	.05	.0578	.1094	.1953	.2344	1.1484
01137500	Ammonoosuc R. nr Bethlehem Jct, NH	1941-1979	87.6	.3849	.4165	.5266	.7912	1.3356	2.3932	.2397	.2740	.3196	.4110	.5023	1.6667

TABLE 1 (Continued)

HISTORIC FLOW DATA: GAGES USED IN REGIONAL ANALYSIS

Basin USGS ID No.	Description	Period of Record	DA (mi^2)	Mean Annual Low Flow (csm) For Following Durations (days) 1	7	30	90	183	365	Minimum Low Flow (csm) of Record For Following Durations in Days 1	7	30	90	183	365
Connecticut River (Continued)															
01138000	Ammonoosuc R. nr Bath, NH	1937-1979	395	.1965	.2392	.3302	.5054	.8904	1.6545	.0886	.1392	.1620	.2202	.3190	1.0658
01142500	Ayers Br. at Randolph, VT	1941-1978	30.5	.1337	.1545	.2207	.3561	.6307	1.5164	.0262	.0318	.0492	.0787	.2197	.8197
01145000	Mascoma R. at W. Canaan, NH	1941-1978	80.5	.0958	.1127	.1828	.3349	.6358	1.4763	.0373	.0447	.0546	.0882	.1366	.7950
01153500	Williams R. at Brockaway Mills, VT	1942-1979	103	.1084	.1212	.1798	.3163	.6254	1.6957	.0350	.0408	.0709	.1068	.1748	.8544
01154000	Saxtons R. at Saxtons River, VT	1942-1979	77.2	.0938	.1080	.1650	.2900	.5845	1.5748	.0311	.0389	.0570	.0790	.1140	.6995
01155000	Cold R. at Drewsville, NH	1942-1978	82.7	.0849	.0964	.1472	.2651	.5380	1.4324	.0230	.0375	.0423	.0629	.0871	.6046
01156000	West R. at Newfane, VT	1930-1961	308	.0956	.1128	.1838	.3775	.7729	2.0331	.0422	.0487	.0682	.1266	.25	.9513
01160000	S.Branch Ashuelot R. nr Marlborough, NH	1922-1978	36.0	.0810	.1220	.1936	.3583	.6714	1.6535	.0111	.0139	.0528	.0806	.1333	.6667

station description under the category entitled "Remarks". The data contained in this category included information pertaining to upstream projects that affect natural flows at each gaging station.

For each gage affected by some form of regulation or diversion, a list of the flow-affecting upstream projects was developed. Because the recent USGS Water Resources Data reports did not provide any data relevant to discontinued gages, information on the discontinued gages was obtained using USGS Water Supply Papers which were compilations of all past gage data (U.S. Department of the Interior, 1954, 1964). These compilations contained station description data similar in nature to the data found in the recent Water Resources Data reports. Information pertaining to upstream projects affecting the discharge data at each discontinued gage was obtained from this source. Using information compiled from the USGS publications, it was determined that streamflow data at 72 of the 89 gages were affected by regulation to some degree.

The next step in the process of selecting gages representative of natural low flow conditions involved simultaneous data collections from two sources, the New Hampshire Water Resources Board (NHWRB) and utility companies, to obtain detailed information regarding major water projects, such as recreational reservoirs and storage pools for hydroelectric generating facilities, which affect low flow data. (see Table 2).

The goal of this effort was to determine if sufficient data were available to quantify the effects of regulation and enable natural low flow conditions to be calculated. The results of these

TABLE 2

MAJOR WATER PROJECTS WITH SIGNIFICANT EFFECT ON LOW FLOWS FOR NEW HAMPSHIRE STREAMS[1]

Project Name	Type of Project	Drainage Area (square miles)	Usable Storage (acre-feet)	Remarks
Androscoggin River Basin				
1. Errol Dam	Hydroelectric	1,045	643,000[2]	An agreement exists to provide a minimum flow of 1500 cfs downstream of Errol Dam.
Connecticut River Basin				
2. Moore Dam	Hydroelectric	1,600	114,176	
3. Comeford Dam	Hydroelectric	1,635	32,270	
4. McIndoes Falls Dam	Hydroelectric	2,200	5,000	
5. Wilder Dam	Hydroelectric	3,375	13,350	Minimum flow equal to 0.2 cubic feet per second per square mile (csm)
6. Bellows Falls Dam	Hydroelectric	5,414	9,568	Minimum flow equal to 0.2 csm
7. Vernon Dam	Hydroelectric	6,266	18,300	Minimum flow equal to 0.2 csm
8. First Connecticut Lake	Storage Pool & Recreational Lake	45	11,600	
9. Second Connecticut Lake	Storage Pool & Recreational Lake	82	76,400	

1 Information obtained from the Water Quality Management Plans published by NHWSPCC and from data provided by the various utility companies.

2 Usable upstream storage figure includes storage contained in Rangley Lake, Mooselookmeguntic Lake, Upper and Lower Richardson Lakes, Aziscohos Lake and Umbagog Lake.

TABLE 2 (continued)

Project Name	Type of Project	Drainage Area (square miles)	Usable Storage (acre-feet)	Remarks
Connecticut River Basin (continued)				
10. Lake Francis Dam	Storage Pool & Recreational Lake	170	99,300	
11. Mascoma Lake Dam	Recreational Lake	182	24,400	
12. Lake Sunapee Dam	Recreational Lake	46	19,800	
Merrimack River Basin				
13. Ayers Island Dam	Hydroelectric	746	not given	
14. Eastman Falls Dam	Hydroelectric	1,003	1,200	
15. Garvin Falls Dam	Hydroelectric	not given	not given	
16. Hooksett Dam	Hydroelectric	not given	not given	
17. Amoskeag Dam	Hydroelectric	not given	not given	
18. Jackman Dam	Hydroelectric	69	4,040	
19. Squam & Little Squam Lakes Dam	Recreational Lake	58	46,000	
20. Newfound Lake Dam	Recreational Lake	96	25,000	
21. Lake Wentworth	Recreational Lake	35	19,600	
22. Merrymeeting Lake Dam	Recreational Lake	11	8,400	
23. Lake Winnipesaukee Dam	Recreational Lake	363	165,500	
Piscataqua River Basin				
24. Great East Lake Dam	Recreational Lake	12	11,800	

TABLE 2 (continued)

Project Name	Type of Project	Drainage Area (square miles)	Usable Storage (acre-feet)	Remarks
Piscataqua River Basin (continued)				
25. Milton Pond Dam	Recreational Lake	105	13,300	
26. Pawtuckaway Lake	Recreational Lake	20.66	9,400	
27. Mendums Pond	Recreational Lake	5.4	3,500	
28. Conway Lake	Recreational Lake	not given	11,480	
29. Ossipee Lake	Recreational Lake	330	23,050	

investigations determined that the data were not sufficient to compute natural low flow values at the gages located downstream of these projects. The 49 gages which came under this classification were deleted from consideration in the regional analysis.

The next stage in the selection process was to investigate all gages which, according to the USGS records, were subject to minor regulation by various water resources projects. "Some regulation," "some diurnal fluctations," and "slight regulation" are examples of the descriptions found in the USGS reports. Often the regulation was by unnamed mills or ponds. Twenty-two gages were found which fell into this classification. Further investigation of these gages was conducted using information found in the files maintained by the NHWRB. Because there are a large number of dams on New Hampshire streams it was deemed infeasible to review the files of every dam located upstream of each gage under consideration; therefore, only storage dams with pools large enough to appear on USGS topographic quadrangle maps were considered to have a significant effect on natural low flow conditions. The assumption that storage pools which are too small to be detected on USGS quad sheets have an insignificant effect on low flow values, appears to be reasonably valid, especially when analyzing low flow for durations of 7 days or greater. On the basis of this assumption, the streamflow data at 9 of the 22 gages were judged to be significantly affected by upstream regulation and not representative of natural conditions. Further investigation of the available information contained in the NHWRB files also indicated that natural streamflow values could not be

calculated given the existing data base. Therefore, these 9 gages were not included in the regional analysis. The remaining 13 of the 22 gages which are subject to regulation by minor water projects were deemed to be representative of natural low flow conditions and were therefore included in the regional analysis.

Finally, flow duration curves were plotted for the remaining 31 gages. A comparision of the general shapes of these flow duration curves indicated one watershed (located in Massachusetts) which was judged to be unrepresentative and was thus deleted from consideration in the regional analysis. Flow duration curves for the 30 watersheds in the regional analysis comprise Appendix A. Also contained in Appendix A are low flow frequency curves for the 7-, 30-, 90-, and 183-day durations for each of the 30 gages.

Comprising the final list of 30 gages with streamflow data determined to be reflective of natural low flow conditions were 17 gages which are not regulated by any projects and 13 gages which are affected by insignificant amounts of regulation. A final map check was made by comparing the locations of the 30 gages with the locations of all significant municipal water projects (wastewater treatment plants and water supply intake facilities) in New Hampshire (see Tables 3 and 4).

Wastewater treatment plants were considered significant if they had a permit to discharge 1.0 cfs (0.65 mgd) or more. In order to comply with water quality standards, the majority of the wastewater treatment plants discharge effluent into large streams which provide substantial assimilative capacity. Therefore it was assumed that

TABLE 3

SIGNIFICANT* MUNICIPAL WATER PROJECTS - WASTEWATER TREATMENT PLANTS[1]

COMMUNITY	PERMITTED DISCHARGE (CFS)	(MGD)	RECIPIENT STREAM
Androscoggin River Basin			
Berlin	6.4	4.1	Androscoggin River
Connecticut River Basin			
Littleton[2]	2.73	1.76	Ammonoosuc River
Hanover[2]	3.56	2.30	
Lebanon	2.59	1.67	Sugar River
Sunapee	1.00	0.65	Sugar River
Newport (Primary Plant)[2]	1.30	2.02	Sugar River
Newport (Dorr Woolen)	1.55	1.00	Sugar River
Claremont[2]	9.92	6.40	
Charlestown	1.70	1.10	Connecticut River
Keene	7.75	5.00	Ashuelot River
Merrimack River Basin			
Ashland	2.48	1.60	Squam River
Franklin (WRM)	17.82	11.5	Merrimack River

* All treatment plants with discharge greater or equal to 1 cfs (0.65 mgd)
1 Information obtained from State of New Hampshire National Water Quality Inventory published by WSPCC
2 Not completed as of April 1980

TABLE 3 (continued)

SIGNIFICANT* MUNICIPAL WATER PROJECTS - WASTEWATER TREATMENT PLANTS[1]

COMMUNITY	PERMITTED DISCHARGE (CFS)	PERMITTED DISCHARGE (MGD)	RECIPIENT STREAM
Merrimack River Basin (continued)			
Concord (Penacook)	6.51	4.2	Merrimack River
Concord (Bow)[2]	15.65	10.1	Merrimack River
Allenstown-Pembroke	1.63	1.05	Merrimack River
Manchester	40.3	26.0	Merrimack River
Milford[2]	3.33	2.15	Souhegan River
Merrimack	7.75	5.0	Merrimack River
Nashua[2]	33.32	21.5	Merrimack River
Salem	3.78	2.44	Spicket River
Piscataqua River and Coastal NH Basin			
Somersworth	3.74	2.41	Salmon Falls River
Rochester[2]	6.09	3.93	Cocheco River
Dover -1[2]	6.67	4.3	Cocheco River
Durham[2]	3.88	2.5	Oyster River (tidal)
Exeter[2]	4.05	2.61	Squamscott River
Hampton	7.28	4.7	Mill Creek (tidal)
Pease Air Force	1.86	1.2	Piscataqua River (tidal)
Portsmouth[2]	7.18	4.63	Piscataqua River (tidal)

TABLE 4

SIGNIFICANT* MUNICIPAL WATER PROJECTS - WATER SUPPLY FACILITIES

COMMUNITY	SOURCE	WATERSHED AREA (mi^2)	DOWNSTREAM BODY OF WATER
Androscoggin River Basin			
Berlin	Androscoggin River	not given	Androscoggin River
Berlin	Upper Ammonoosuc River	not given	Upper Ammonoosuc River
Gorham	Ice Gulch and Perkins Brook	8.37	Androscoggin River
Connecticut River Basin			
Bethlehem	Gale River & Zealand River	9.25	Ammonoosuc River
Canaan	Canaan Street Lake	30	Mascoma River
Carroll	Little River	30	Ammonoosuc River
Charlestown	Beaver Brook	not given	Connecticut River
Claremont	White Water & Granby Brook	5.0	Sugar River
Enfield	Harris Brook	12.0	Mascoma River
Haverhill	Ammonoosuc River	40.85	Ammonoosuc River
Keene	Babbige Reservoir	8.0	Otter Brook
Lancaster	Garland Brook	11.7	Connecticut River

Information obtained from "Public Water Supplies - 1977" published by the New Hampshire Water Supply and Pollution Control Commission.

* Water supply projects considered significant if they regulate a watershed of 1 square mile or greater.

TABLE 4 (continued)

SIGNIFICANT* MUNICIPAL WATER PROJECTS - WATER SUPPLY FACILITIES

COMMUNITY	SOURCE	WATERSHED AREA (mi^2)	DOWNSTREAM BODY OF WATER
Connecticut River Basin (continued)			
Lebanon	Mascoma River	86.0	Mascoma River
Lisbon	Pearl Lake	5.0	Ammonoosuc River
Littleton	Gale River	12.5	Ammonoosuc River
Northumberland	4 Tributaries to Roaring Brook	4.05	Ammonoosuc River
Sunapee	Lake Sunapee	42.6	Sugar River
Stratford	Kimball Pond	5.0	Connecticut River
Whitefield	Ayling Brook	11.7	Connecticut River
Merrimack River Basin			
Andover	Bradley Lake	4.2	Blackwater River
Ashland	Sky & Jackson Ponds	2.0	Pemigewasset River
Boscawen	Walker Pond	9.4	Contoocook River
Concord	Penacook Lake	3.70	Merrimack River
Greenville	Miller & Gamble Brooks	5.6	Souhegan River
Hillsboro	Loon Pond	1.80	Beards Brook
Jaffrey	Bullet Pond	4.0	Contoocook River
Lincoln	Loon Pond	2.35	East Branch Pemigewasset River
Manchester	Lake Massabesic	42.0	Merrimack River

TABLE 4 (continued)

SIGNIFICANT* MUNICIPAL WATER PROJECTS - WATER SUPPLY FACILITIES

COMMUNITY	SOURCE	WATERSHED AREA (mi^2)	DOWNSTREAM BODY OF WATER
Merrimack River Basin (continued)			
Meredith	Lake Waukewan	11.7	Lake Winnipesaukee
Nashua[1]	Pennichuck Brook & Soughegan River	not given	Souhegan River
Wilton	Mill & Stockwell Brooks	11.7	Souhegan River
Woodstock	Gordon Pond Brook	6.30	Pemigewasset River
Piscataqua River and New Hampshire Coastal Basin			
Durham[2]	Oyster & Lamprey Rivers	16.9	Oyster & Lamprey Rivers
Exeter	Dearborn River (Exeter River - auxiliary)	1.6	Squamscott River Exeter River
Portsmouth	Bellamy River	20.0	Bellamy River
Rochester	Round Pond	10.25	Cocheco River
Somersworth	Salmon Falls River	not given	Salmon Falls River
Saco River Basin			
Bartlett	Albany River	6.8	Saco River

[1] Flow diverted from Souhegan River to Pennichuck Brook Water Works system. A proposed change would replace the Souhegan River diversion with flow from the Merrimack River.

[2] Flow is diverted from the Lamprey River to the Oyster River to supplement the Durham municipal water supply system.

effluent discharges less than 1.0 cfs (0.65 mgd) were insignificant in comparision to the streamflow occurring in the recipient streams. Water supply projects that regulated a drainage area of 1.0 square mile or more were considered to be significant. However, the influence of water supply projects on low flow values was assumed inconsequential if they regulated less than 5% of the contributing drainage area at the next downstream gaging station. Information pertaining to these municipal water projects was compiled using New Hampshire Water Supply and Pollution Control Commission (NHWSPCC) publications (NHWSPCC, various dates).

The review of all significant municipal water projects (water supply intake and wastewater treatment facilities) revealed that streamflow data of the gages used in the regional analysis were not affected to a significant degree by these projects.

Selection of Variables

Dependent Variables: Low Flow Discharge Rates:

As stated before, one goal of this study was to develop a methodology for estimating natural low flows on streams in ungaged watersheds in New Hampshire. Therefore, the dependent data set consisted of the 7-, 30-, 90-, and 183-day flows at the 2-, 10-, 20-, and 50-year return intervals for the period of record of the 30 gaged watersheds in New Hampshire and bordering areas. Discharge data for the 30 watersheds to be used in the study were obtained from the U.S. Geological Survey (USGS) WATSTORE file (U.S. Department of the Interior, 1980).

Independent Variables: Watershed Characteristics:

The independent variables to be used in this study have been broken into two major groups: climatic and geomorphologic. These variables must reflect interwatershed variations, and must be in a form comparable to the low flow data.

Climate is critical, as it reflects the moisture which comes into the watershed and the allocations of that moisture within the watershed. The first variable selected to represent climate was annual precipitation deviation from the "normal" precipitation (CLAD). This variable was selected to express the "wetness" or "dryness" of an individual year. Since potential evapotranspiration tends to be relatively constant from year to year, this variable (CLAD) should generally reflect the tendency for extreme or modest low flow events in any group of watersheds or within the record of a single watershed.

The second variable selected, estimated mean basin elevation, is a geomorphologic variable closely related to climate. The topography of the state increases in elevation away from the ocean, and the elevation of a watershed expresses aspects of temperature, orographic rainfall, and snowpack. As a result of these climatic factors, less variable flows and relatively higher low flow discharge rates are expected as elevation increases. However, the predominance of bedrock in watersheds at higher elevations tends to minimize storage of water within the catchment and result in greater flow variability. Elevation, therefore, plays a complex role, as it incorporates both climatic and geologic factors.

Within the wide range of potential geomorphologic variables, three others were selected: main channel slope, watershed area, and watershed surface storage. Slopes were thought to reflect general aquifer conditions (i.e., the higher the slope, the more rapid the discharge and the more variable the discharge). Also, steeper sloped areas tend to have more impervious surface materials such as till and bedrock, which speed discharge and create more variable flows.

Watershed area was selected, as the total volume of potential discharge will increase with increasing area. A positive relationship between area and low flow discharges is expected.

Watershed surface storage, as measured by the percentage of watershed area that is occupied by lakes and ponds, was also selected. Increased evaporation losses with increased area of surface storage are expected. In general, however, watershed storage increases should be positively associated with low flows, since storage will augment flows during dry seasons.

The following five variables were selected to statistically model low flow events:

1) CLAD
2) Elevation
3) Main channel slope
4) Watershed area
5) Watershed surface storage.

Other watershed characeristics were considered for use in this study, but were not included in the final list of independent variables due to their interdependence with the other variables,

lack of available data, or their perceived relative unimportance as influences on low flow discharge rates. For example, data on surficial and subsurface geology, which would indicate aquifer characteristics, are not available for most aquifers in the state. Therefore, a true geologic indicator variable could not be included in the analysis, although mean watershed elevation may be an indirect geologic indicator. Land use, such as the amount of forest cover or impervious area within a watershed, constitutes another category of variables which reflect both the geomorphologic and the climatic processes which impact low flows. However, the amount of data was limited and the variation in these factors across the watersheds in the study area was expected to be small. Climatic factors which were considered but not selected included mean annual precipitation, precipitation intensity (24-hr. raninfall, 2 yr. probability), and July normal temperature. Other investigators (e.g., Lull and Sopper, 1966) have found mean annual precipitation to be more closely related to mean annual runoff than to low flow discharge rates; therefore it was rejected. Precipitation intensity has been included in several investigations of low flows, but the physical basis for its correlation with low flow discharge is unclear. As a variable, July normal temperature would permit comparisons of drought potential between different watersheds, but not comparisons of flows within a single watershed over time. Geographic factors, such as latitude and orientation of the watershed were also considered but their influence on low flows is an indirect one, and should be expressed in part by the elevation

and precipitation variables. Finally, geometric characteristics such as watershed shape and length-width ratios were examined but not included in the final list of variables because their influence on low flow discharge rates was perceived to be minor.

Data Collection

In keeping with the scope of work for this investigation, published reports and studies were the source of much of the data. Most of the watersheds included in this investigation had been studied previously; new data was collected only for those watersheds and for variables which information was lacking.

Average annual low flow rates for a range of durations (1, 3, 7, 15, 30, 60, 90, 120 and 183 days) for the period of record, as well as frequency - discharge values corresponding to these durations were obtained for the 30 watersheds in the study from the USGS WATSTORE data files. All frequencies were computed using a Log-Pearson Type III distribution. These data are contained in Appendix B.

The drainage area in square miles of each watershed was obtained from recent USGS Water Resources Data reports and USGS Water Supply Papers.

Data on estimated mean watershed elevation were obtained from two sources. A recent article by Dingman (1978) contained this information for several watersheds. Using USGS topographic maps for the remainder of the watersheds, estimated mean watershed elevation

was calculated according to the following formula developed by Dingman:

$$\bar{E}_{est(i)} = E_{min(i)} + 0.324\,(E_{max(i)} - E_{min(i)}) \qquad (1)$$

where

$\bar{E}_{est(i)}$ = estimated mean elevation in watershed 'i'

$E_{min(i)}$ = lowest elevation in watershed 'i' (the point on the stream for which information is desired;

$E_{max(i)}$ = highest elevation in watershed 'i', usually located on the drainage divide.

Main channel slopes were obtained from articles by Benson (1962) and LeBlanc (1973) for several watersheds. For the other watersheds, values of main channel slope were calculated according to the following formula, using USGS topographic quandrangle maps:

$$S_{(i)} = \frac{(E(85)_{(i)} - E(15)_{(i)})}{D_{(i)}} \qquad (2)$$

where

$S_{(i)}$ = slope for watershed 'i'

$E(85)_{(i)}$ = the elevation of a point 85% of the distance from the watershed mouth to the endpoint of the main stream in watershed 'i'

$E(15)_{(i)}$ = the elevation of a point 15% of the distance from the watershed mouth to the endpoint of the main stream in watershed 'i'

$D_{(i)}$ = the length of the main stream in watershed 'i'

The amount of surface storage area, expressed as a percentage of watershed area, was obtained for some watersheds from Benson (1962). For the other watersheds, it was calculated by planimetering on USGS quadrangle maps (1:24,000 and 1:62,500 scales) the areas of lakes and ponds within a watershed. These areas were converted to a percentage of watershed area, and then 0.5% was added to the value for each watershed to prevent values of zero for this variable. The formula for computing this variable is as follows:

$$St_{(i)} = \frac{(L_{(i)} + P_{(i)})}{B_{(i)}} \times 100 + .005\ B_{(i)} \qquad (3)$$

where

$St_{(i)}$ = surface storage in watershed 'i'

$L_{(i)}$ = lake storage in watershed 'i' visible at a scale of 1:24000 or 1:62500

$P_{(i)}$ = pond storage in watershed 'i' visible at a scale of 1:24000 or 1:62500

$B_{(i)}$ = watershed drainage area.

Data for the climatic variable, CLAD, were collected from National Oceanic and Atmospheric Administration publications (U.S. Dept. of Commerce, 1949-1974, 1964). Twenty-one weather stations with 30 or more years of records were selected across the study area. Thirty years of annual precipitation deviation from normal precipitation data were collected for each weather station. Values of annual precipitation deviation from the normal precipitation (CLAD) were calculated according to the following formula:

$$CLAD_{(n)} = P_{(n)} - \bar{P} \tag{4}$$

where

$CLAD_{(n)}$ = annual precipitation deviation from normal precipitation during year n

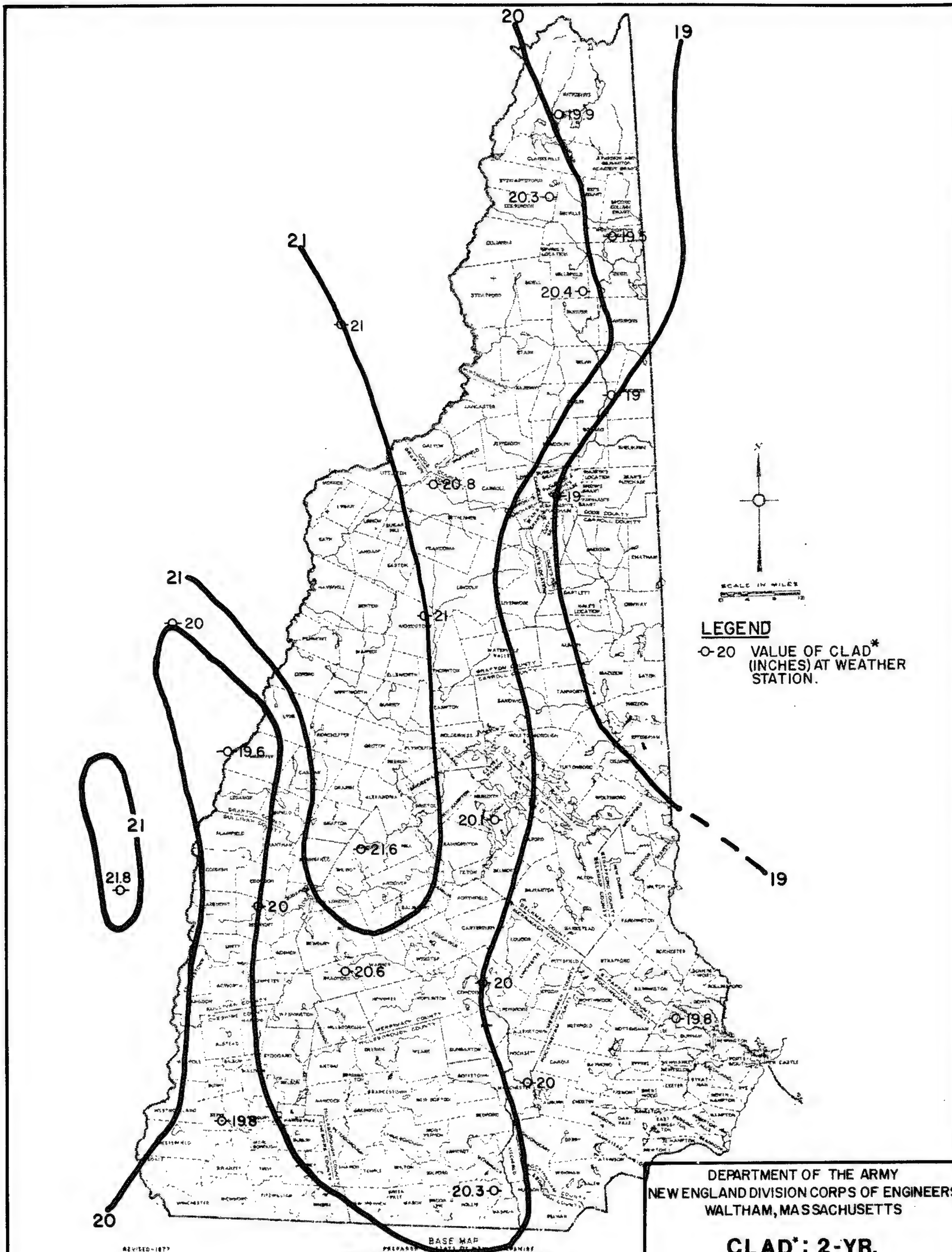
$P_{(n)}$ = annual precipitation for year n

$\bar{P}$ = climatological normal precipitation based on the period 1941-1970

Twenty (20.0) inches were added to each year's value to eliminate negative and/or zero values and allow the numbers to be transformed to logarithms for a later analysis. For each weather station, recurrence intervals for the CLAD + 20.0 (or CLAD*) values were calculated using the USGS plotting position formula (Recurrence Interval = (n+1)/m, where n is the number of years (values) and m is the order number) (Riggs, 1972).

Four maps were constructed, one for each of the four frequencies (2, 10, 20, and 50 years), according to the following procedure. For each weather station, the value of CLAD* for the desired frequency was read off the appropriate graph and plotted on a map. The 21 values (one for each weather station) were then contoured. Input values for the CLAD* variable for the watersheds in the study were interpolated from these contour maps (Figures 1-4).

The streamflow rates, and the morphologic and climatic data comprised the overall data set for the study (see Table 5). The selection of specific discharge or climatic values for the various statistical analyses is outlined in the following section.



CLAD* = Annual precipitation deviation from normal precipitation + 20.0 inches.

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CLAD*: 2-YR.

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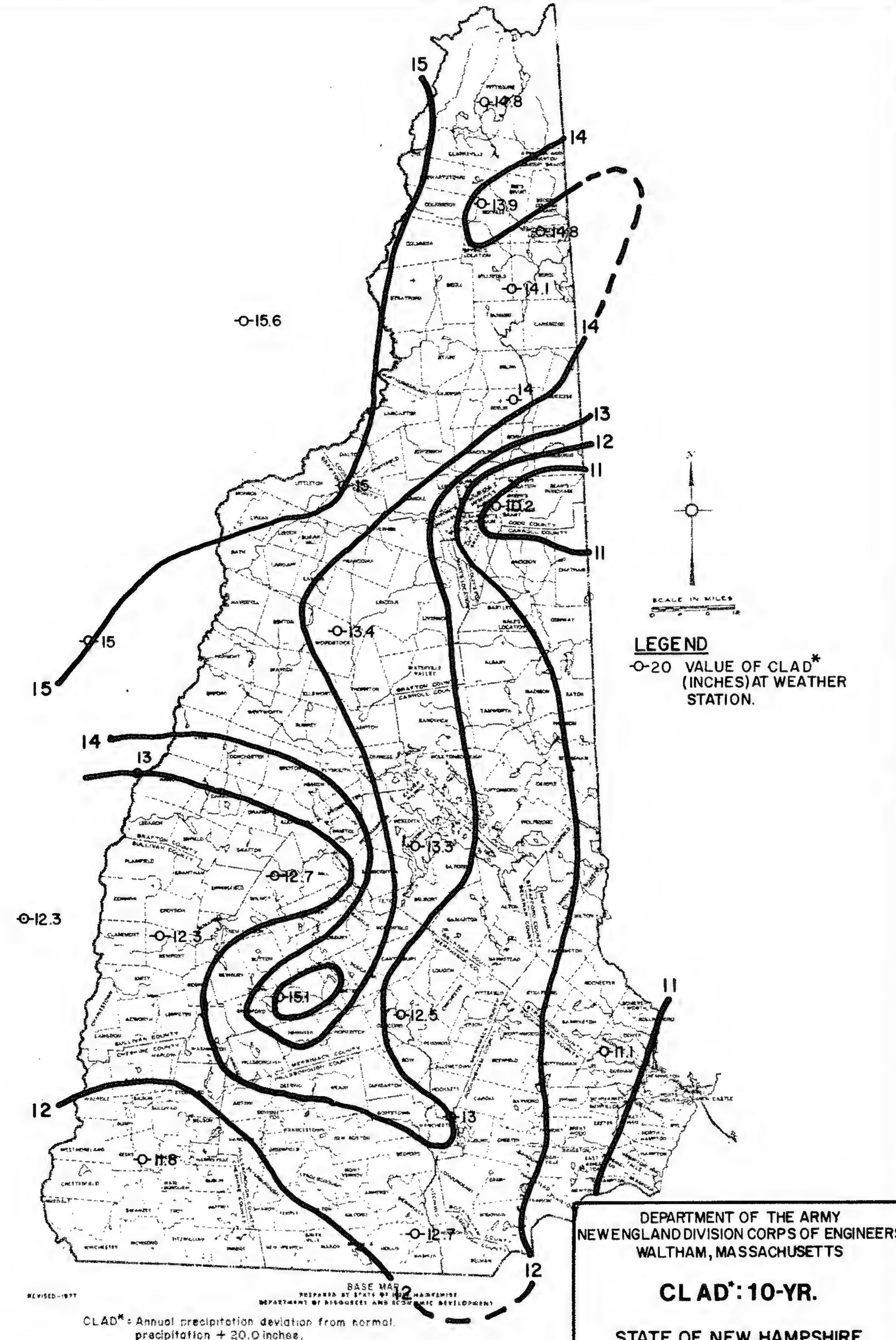
FIGURE- 1



CLAD* = Annual precipitation deviation from normal precipitation + 20.0 inches.

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CLAD*: 10-YR.

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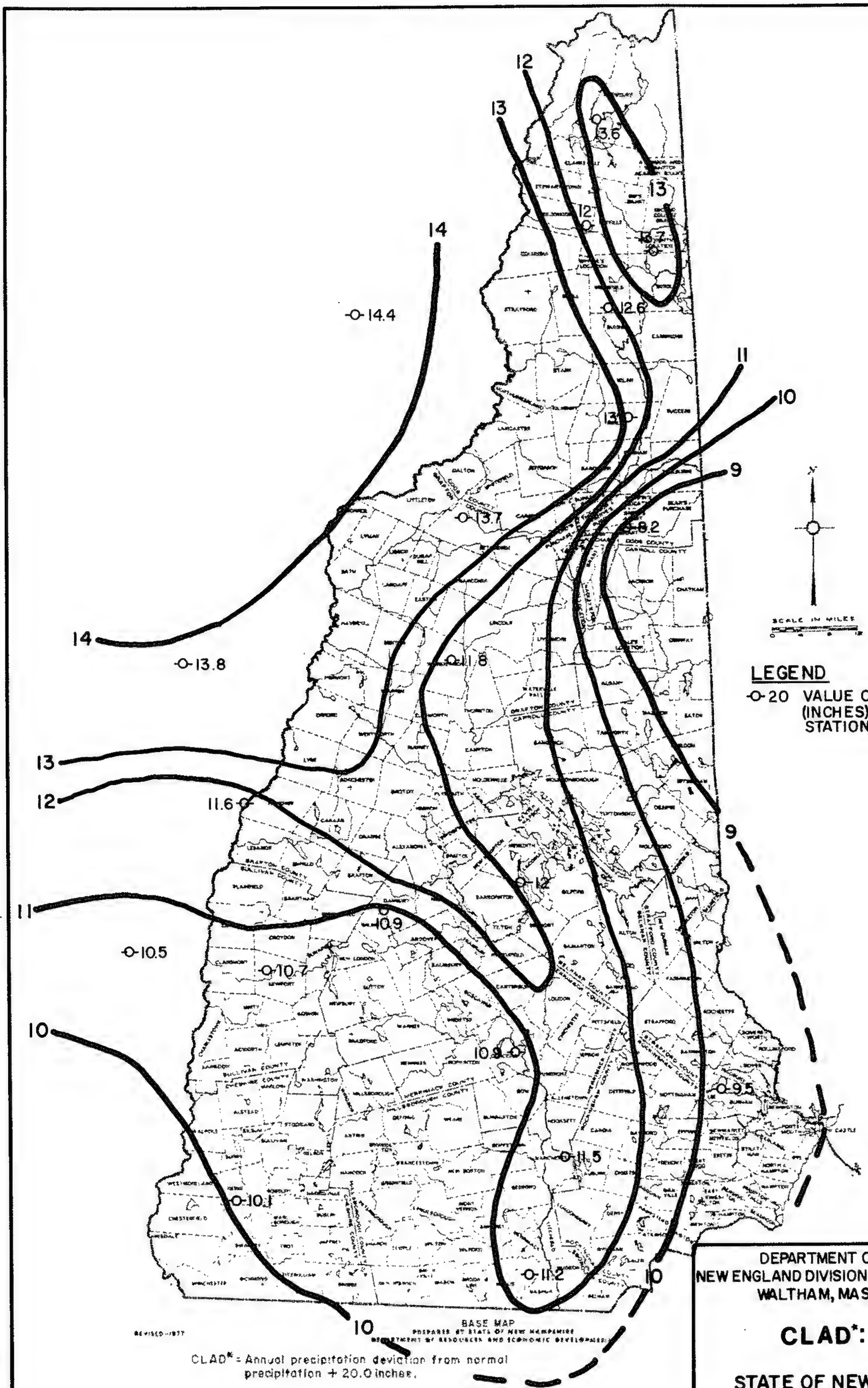
FIGURE-2



CLAD* = Annual precipitation deviation from normal precipitation + 20.0 inches.

LEGEND

-O-20 VALUE OF CLAD* (INCHES) AT WEATHER STATION.

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CLAD*: 20-YR.

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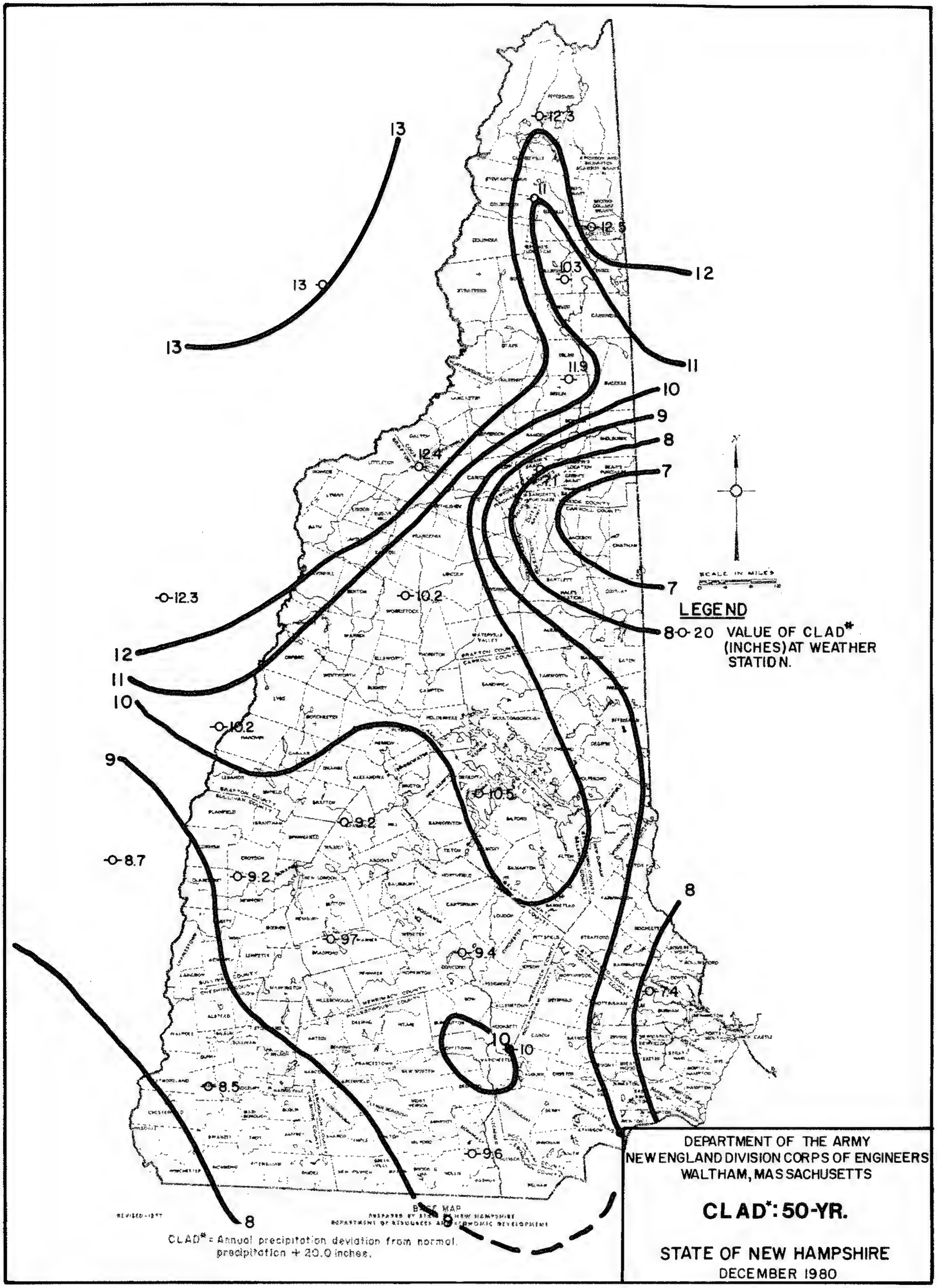
FIGURE-3



CLAD* = Annual precipitation deviation from normal precipitation + 20.0 inches.

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CLAD*: 50-YR.

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FIGURE-4

TABLE 5

WATERSHED PARAMETERS FOR GAGES USED IN REGIONAL ANALYSIS

Map No.	USGS ID. No. 01-	Description	Drainage Area (Mi^2)	Estimated Mean Basin Elevation	Storage (% DA + 0.5%)	Slope (ft/mi)	Annual Deviation + 20.0 (CLAD*) 2 yr	10 yr	20 yr	50 yr	Period of Record
* 1.	052500	Diamond R. nr Wentworth Location, NH	153	2030	1.39	41.04	19.7	13.9	13.2	12.4	1943-1978
2.	054300	Ellis R. at South Andover, ME	131	1654	2.01	53.77	18.6	13.5	10.5	11.3	1964-1979
3.	057000	Little Androscoggin R. nr South Paris, ME	76.2	1053	0.58	51.92	18.6	10.0	8.5	8.0	1915-1979
4.	064300	Ellis R. nr Jackson, NH	10.9	3050	0.50	555.00	19.0	10.2	9.5	7.5	1965-1979
* 5.	064500	Saco R. nr Conway, NH	386	2320	0.83	50.99	18.8	11.0	8.6	7.0	1905-1978
* 6.	073000	Oyster R. nr Durham, NH	12.1	170	1.82	21.50	19.8	11.5	9.7	8.0	1936-1979
7.	074500	East Branch Pemigewasset R. nr Lincoln, NH	104	2390	0.59	108.80	20.6	13.3	11.9	10.4	1930-1953
8.	075000	Pemigewasset R. at Woodstock, NH	193	2120	0.73	80.70	19.9	13.4	11.9	10.3	1941-1977
9.	076000	Baker R. nr Rumney, NH	143	1890	1.00	107.10	21.3	14.2	12.7	10.2	1930-1977
10.	076500	Pemigewasset R. nr Plymouth, NH	622	2010	0.88	42.00	21.0	13.4	12.0	10.2	1905-1978
*11.	078000	Smith R. nr Bristol, NH	85.8	1250	1.36	22.60	21.2	13.4	12.1	9.6	1920-1979
12.	084500	Beards Br. nr Hillsboro, NH	55.4	1214	2.41	78.30	20.6	14.0	10.6	9.5	1947-1970
13.	086000	Warner R. nr Davisville, NH	146	1150	2.51	31.80	20.8	14.9	10.8	9.5	1941-1978
14.	087000	Blackwater R. nr Webster, NH	129	1240	2.09	24.50	21.0	14.0	10.9	9.5	1920-1979
*15.	089000	Soucook R. nr Concord, NH	76.8	680	0.69	33.20	20.0	13.0	12.0	9.6	1953-1980
*16.	091000	South Branch Piscataquog R. nr Goffstown, NH	104	889	1.16	30.60	20.3	13.1	10.5	9.8	1942-1978
17.	094000	Souhegan R. at Merrimack, NH	171	850	0.87	31.20	20.3	12.5	10.6	9.5	1911-1976
18.	130000	Upper Ammonoosuc R. nr Groveton, NH	232	1970	1.22	28.60	20.4	14.3	13.3	12.3	1942-1980
*19.	133000	East Branch Passumpsic R. nr East Haven, VT	53.8	1666	1.19	60.50	20.9	15.6	14.4	12.9	1941-1979
20.	134500	Moose R. nr Victory, VT	75.2	1865	1.19	78.40	20.9	15.4	14.1	12.6	1948-1979

* Watersheds used in model testing

TABLE 5 (Continued)

WATERSHED PARAMETERS FOR GAGES USED IN REGIONAL ANALYSIS

Map No.	USGS ID. No. 01-	Description	Drainage Area (Mi^2)	Estimated Mean Basin Elevation	Storage (% DA + 0.5%)	Slope (ft/mi)	Annual Deviation + 20.0 (CLAD*) 2 yr	10 yr	20 yr	50 yr	Period of Record
21.	135000	Moose R. nr St. Johnsbury, VT	128	1500	0.75	40.40	21.0	15.4	14.1	12.5	1930-1979
*22.	137500	Ammonoosuc R. nr Bethlehem Jct., NH	87.6	2840	0.51	72.00	20.5	14.0	13.0	11.0	1941-1979
23.	138000	Ammonoosuc R. nr Bath, NH	395	2340	0.71	28.70	21.2	14.5	13.7	12.0	1937-1979
*24.	142500	Ayers Br. at Randolph, VT	30.5	1165	0.50	80.4	20.1	15.1	13.9	12.3	1941-1978
25.	145000	Mascoma R. at West Canaan, NH	80.5	1610	2.36	50.2	21.0	13.3	12.1	10.1	1941-1978
*26.	153500	Williams R. at Brockaway Mills, VT	103	1300	0.50	56.50	20.9	12.2	10.4	8.6	1942-1979
27.	154000	Saxtons R. at Saxtons River, VT	77.2	1171	0.56	87.40	20.5	12.2	10.3	8.5	1942-1979
28.	155000	Cold R. at Drewsville, NH	82.7	960	1.36	49.00	19.7	12.2	10.5	9.2	1942-1978
*29.	156000	West R. at Newfane, VT	308	1561	0.78	31.7	20.7	12.2	9.8	8.3	1930-1961
30.	160000	South Branch Ashuelot R. nr Marlborough, NH	36.0	1480	1.97	100.00	19.9	11.8	10.2	8.6	1922-1978

* Watersheds used in model testing

Application of the Modeling Methodology

One stated objective of the project was to predict low flows for the following periods: 7 days, 30 days, 90 days, and 183 days. This was accomplished by relating the previously discussed five variables to the measured low flow data.

The methodology used was the development of a model using regression analysis to predict each of the following:

a) the 2-, 10-, 20- and 50-year seven-day low flows

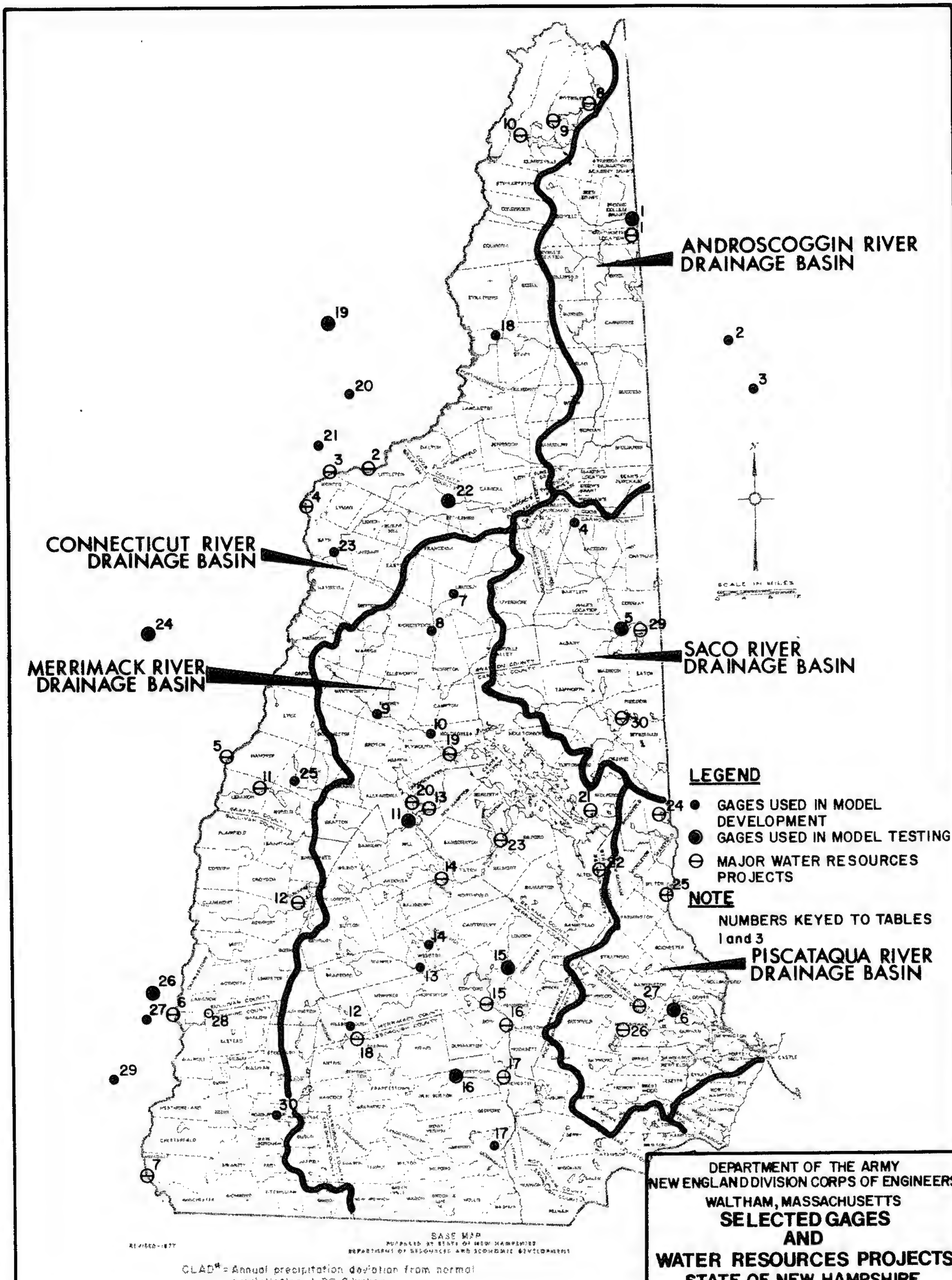
b) the 2-, 10-, 20- and 50-year thirty-day low flows

c) the 2-, 10-, 20- and 50-year ninety-day low flows

d) the 2-, 10-, 20- and 50-year one hundred and eighty-three-day low flows.

In applying regression, it is good practice to have a sample for model derivation, as well as a sample for model testing. The test sample helps to insure that the derived model does not incorporate major predictive errors. Therefore, the sample of 30 watersheds was stratified into two groups. The first group consisted of 19 watersheds and was used for model derivation, while the second group of 11 watersheds was used to test the derived models. Figure 5 shows the location of the 30 gages as well as the major water resources projects within the state.

For the model derivation group of 19 watersheds, values of the 7-, 30-, 90-, and 183-day low flows at each of the four return intervals being investigated were selected. The value of CLAD* for each return interval was read from the appropriate map. The associated geomorphologic data were also collected for each



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SELECTED GAGES AND WATER RESOURCES PROJECTS STATE OF NEW HAMPSHIRE

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FIGURE- 5

watershed. The five climatic and geomorphologic variables were assumed to be normally distributed and independent, and the relationships between the selected variables were assumed to be linear. All flows were converted to cubic feet per second per square mile (csm) to control for the overwhelming influence of watershed area on flow magnitude. The variables were related to the low flows through the use of a forward stepwise multiple linear regression program of the SPSS (Statistical Package for the Social Sciences, 1970). The resultant equations were:

$$Q_{7csm} = 0.0001E + 0.0086\ CLAD^* - 0.0288\ St + 0.0002S + 0.0001\ AREA - 0.1395 \quad (5)$$

$$Q_{30csm} = 0.0001E + 0.0130\ CLAD^* - 0.0364\ St + 0.0002S + 0.0001\ AREA - 0.1846 \quad (6)$$

$$Q_{90csm} = 0.0002E + 0.0239\ CLAD^* - 0.0539\ St + 0.0003S + 0.00004\ AREA - 0.2969 \quad (7)$$

$$Q_{183csm} = 0.0002E + 0.0489\ CLAD^* - 0.0870\ St + 0.0008S + 0.00003\ AREA - 0.5308 \quad (8)$$

where Q_{ncsm} = discharge in cubic feet per second per square mile for the duration of n days

E = estimated mean basin elevation,

CLAD* = annual precipitation deviation from normal precipitation for the recurrence interval being investigated + 20.0

S = main channel slope,

St = basin storage, and

AREA = drainage area.

It is interesting to note that elevation and CLAD* explain most of the variance in the data (see Table 6). These variables account for the following percentage explanation of variance of low flows:

Q_{7csm}:	CLAD* and E explain 66% of the variation
Q_{30csm}:	CLAD* and E explain 71% of the variation
Q_{90csm}:	CLAD* and E explain 75% of the variation
Q_{183csm}:	CLAD* and E explain 75% of the variation

The general increase in variance explanation with the increasing period of low flow is probably due to the increased sensitivity of the climatic variable to long-term droughts.

Since the variance explanation of these two variables is consistently high and accounts for virtually all of the variance explanation, linear regression equations were developed using these two variables alone:

$$Q_{7csm} = 0.00014E + 0.00780\ \text{CLAD*} - 0.20959 \qquad (9)$$

$$Q_{30csm} = 0.00016E + 0.01209\ \text{CLAD*} - 0.27042 \qquad (10)$$

$$Q_{90csm} = 0.00023E + 0.02231\ \text{CLAD*} - 0.42554 \qquad (11)$$

$$Q_{183csm} = 0.00037E + 0.04496\ \text{CLAD*} - 0.75804 \qquad (12)$$

The F-test was used to assess whether the inclusion of successive independent variables in the regression significantly improved the amount of variation in the dependent variable that is explained by multiple regression (Till, 1974, p.140). The results of the F-tests (see Table 6) indicate that each of the regressions is significant at the 0.05 level of confidence.

TABLE 6

Variance Explanation and Significance of Regression Equations

Flow Duration	Variable	Variance Explanation (R^2) (Coefficient of Determination)	F Value	Degrees of Freedom m	n	Standard Error
Linear Equations						
Q_7	ELEV	.57	97	1	74	.07
	ELEV & CLAD*	.66	72	2	73	.06
	ELEV, CLAD*, STOR	.70	57	3	72	.06
	ELEV, CLAD*, STOR, SLOPE	.71	44	4	71	.06
	ELEV, CLAD*, STOR, SLOPE, AREA	.72	36	5	70	.06
Q_{30}	ELEV	.55	91	1	74	.09
	ELEV, CLAD*	.71	89	2	73	.07
	ELEV, CLAD*, STOR	.75	72	3	72	.07
	ELEV, CLAD*, STOR, SLOPE	.76	55	4	71	.06
	ELEV, CLAD*, STOR, SLOPE, AREA	.76	44	5	70	.06
Q_{90}	ELEV	.50	75	1	74	.13
	ELEV, CLAD*	.75	111	2	73	.09
	ELEV, CLAD*, STOR	.79	90	3	72	.09
	ELEV, CLAD*, STOR, SLOPE	.80	73	4	71	.08
	ELEV, CLAD*, STOR, SLOPE, AREA	.81	58	5	70	.08
Q_{183}	ELEV	.43	55	1	74	.26
	ELEV, CLAD*	.75	107	2	73	.17
	ELEV, CLAD*, SLOPE	.79	88	3	72	.16
	ELEV, CLAD*, SLOPE, STOR	.81	78	4	71	.15
	ELEV, CLAD*, SLOPE, STOR, AREA	.81	61	5	70	.15
Log Equations						
Q_7	ELEV	.46	64	1	74	.28
	ELEV, CLAD*	.59	52	2	73	.24
Q_{30}	ELEV	.49	72	1	74	.24
	ELEV, CLAD*	.67	74	2	73	.20
Q_{90}	ELEV	.48	67	1	74	.23
	ELEV, CLAD*	.74	102	2	73	.17
Q_{183}	CLAD*	.42	53	1	74	.22
	CLAD*, ELEV	.76	115	2	73	.14

TABLE 6 (Continued)

Variance Explanation and Significance of Regression Equations

Flow Duration	Variable	Variance Explanation (R^2) (Coefficient of Determination)	F Value	Degrees of Freedom m	Degrees of Freedom n	Standard Error
Final Equations						
Q_7		.72	191	1	74	.06
Q_{30}		.77	246	1	74	.06
Q_{90}		.80	297	1	74	.08
Q_{183}		.78	258	1	74	.16

The predictive ability of the equations was assessed through the use of a 't' differences test (Till, 1974). This tests the hypothesis that the mean difference between predicted and measured low flows is equal to zero, and takes the form

$$t = (\bar{d} - 0) / (S_{\bar{x}})$$

where

t	=	't' value
$\bar{d}$	=	the mean difference between predicted and measured low flows
$S_{\bar{x}}$	=	$s/\sqrt{n}$
s	=	the standard deviation of the d values
n	=	sample size of the d values

All of the computed 't' values fell below the critical tabled values at the 0.01 level, allowing acceptance of the hypothesis (H_0) that the mean difference between predicted and measured low flows is not significantly different from 0. The correlations and results of the 't' test suggest that the model should be capable, in general, of predicting low flows.

Before the models were accepted as the final results of the study, they were applied to the test sample of 11 basins. If the correlations and 't' values were similar, then the models could be considered capable of predicting flows in ungaged areas. The results of the analysis were disappointing:

Flow	Correlation	t value	Result
Q_7	0.77	2.54	accept H_0
Q_{30}	0.77	3.54	reject H_0
Q_{90}	0.82	2.96	reject H_0
Q_{183}	0.89	3.13	reject H_0

Although the correlations were similar, the mean differences (between what was predicted and what was measured) were significantly greater than 0 for all but the 7-day low flows. With these results, a model of this nature cannot be considered reliable for application in ungaged basins.

For simplicity, one of the critical assumptions made in the analysis was that variable interrelationships with flow were linear in nature. This may not be the case, so scatter plots of the relationships between each variable and low flow were compiled. These plots indicated that curvilinear relationships did exist between the independent variables and low flows. Since this might improve the predictive power of the models, a curvilinear approach was then used.

All of the data were reviewed to insure that no negative or zero values existed. The climatic, elevation, and flow data were then transformed into base ten logarithms, and subjected to a second multiple linear regression analysis. As before, stepwise multiple regression was performed, in which the variables are entered into the equation in order of decreasing contribution to variance explanation. The resultant models were:

$$\text{Log } Q_{7csm} = 1.65 \text{ Log } E + 1.05 \text{ Log } CLAD^* - 7.48 \tag{14}$$

$$\text{Log } Q_{30csm} = 1.52 \text{ Log } E + 1.10 \text{ Log } CLAD^* - 6.97 \tag{15}$$

$$\text{Log } Q_{90csm} = 1.39 \text{ Log } E + 1.28 \text{ Log } CLAD^* - 6.56 \tag{16}$$

$$\text{Log } Q_{183csm} = 1.16 \text{ Log } E + 1.33 \text{ Log } CLAD^* - 5.62 \tag{17}$$

These curves were then transformed back into standard form:

$$Q_{7csm} = (E^{1.65})\ (CLAD^{*1.05})\ /\ 10^{7.48} \tag{18}$$

$$Q_{30csm} = (E^{1.52})\ (CLAD^{*1.10})\ /\ 10^{6.97} \tag{19}$$

$$Q_{90csm} = (E^{1.39})\ (CLAD^{*1.28})\ /\ 10^{6.56} \tag{20}$$

$$Q_{183csm} = (E^{1.16})\ (CLAD^{*1.33})\ /\ 10^{5.62} \tag{21}$$

The correlations were slightly lower than those of the linear models, but the regressions were significant at the 0.05 level (see Table 6). Application of the 't' test to each model indicated that the differences were not significantly different from 0 at the 0.01 level. These models were then applied to the test sample of 11 watersheds, creating the following results:

Flow	Correlation	t value	Result
Q_7	0.80	2.97	reject H_0
Q_{30}	0.79	3.01	reject H_0
Q_{90}	0.83	3.08	reject H_0
Q_{183}	0.91	4.31	reject H_0

Again, the model failed to predict values that exhibit little difference with measured values.

A review of the sources of major differences within the 19 basin sample revealed an interesting characteristic. Error increased with the size of low flow. Since the regression technique used to derive these models is based on logarithms, the curve must pass through the origin of the system of data values. If a second regression is applied to equations (18), (19), (20), and (21), the curve orientation and intercept values can be adjusted to fit the data set more effectively.

Since we are dealing with a bivariate situation (both CLAD* and E are combined as one variable), simple regression was used. The resultant equations were:

$$Q_{7csm} = 1.23 \left[(E^{1.65})(CLAD^{*1.05}) / 10^{7.48}\right] - 0.0123 \qquad (22)$$

$$Q_{30csm} = 1.16 \left[(E^{1.52})(CLAD^{*1.10}) / 10^{6.97}\right] - 0.0134 \qquad (23)$$

$$Q_{90csm} = 1.10 \left[(E^{1.39})(CLAD^{*1.28}) / 10^{6.56}\right] - 0.0115 \qquad (24)$$

$$Q_{183csm} = 1.17 \left[(E^{1.16})(CLAD^{*1.33}) / 10^{5.62}\right] - 0.0361 \qquad (25)$$

All of the regressions were significant at the 0.05 level, and the correlations show a marked improvement over the unadjusted curves (see Table 6). In all but one case (Q_{183}), the correlations are equal to or better than those of the original equations.

Models (22), (23), (24), and (25) were also subjected to 't' testing, and the mean differences were not significantly different from 0 for all four models. The above models were then applied to the test sample of 11 basins, with successful results:

Flow	Correlation	t value	Result
Q_7	0.80	2.03	accept H_0
Q_{30}	0.79	2.45	accept H_0
Q_{90}	0.83	2.51	accept H_0
Q_{183}	0.91	2.69	accept H_0

These results indicate that the derived models are capable of predicting flows in ungaged watersheds, will explain up to 80% of the flow variance, and should be able to predict low flows of intermediate recurrence intervals (2 years $<$ Flow $<$ 50 years).

DISCUSSION OF RESULTS

The technique used here has provided a reasonable method for low flow estimation. The test sample of 11 watersheds is scattered all over the state and adjacent areas of eastern Vermont, and represents the range of conditions over which this model will apply. Used within the limits of the sample (watershed size and geographic limits of the sample area), this model should be an effective tool for estimating low flow discharges. It should be noted that because the final equations do not pass through the origin, the derived models may give negative flow estimates for streams in watersheds at

low elevations (mean watershed elevation less than 600 feet). In the case of negative flow estimates, a minimum estimate of .0001 csm could be used.

There are several areas for potential model improvement. The first area deals with data inputs. Because of the limited number of watersheds sampled for flow, and the limited physiographic data base, a number of more productive techniques had to be eliminated from the study. As the data set improves, this should improve predictive potentials in this area.

A second problem is involved with the statistical procedures used to derive the final models. There are potential issues involved with low flow data serial correlations that could not be considered due to the limited amounts of data. As such, these potential issues were assumed to be "not significant". As the data set improves, there will be an opportunity to research this further.

The regression techniques used here are not a standard polynomial or harmonic approach, and may violate certain assumptions of input data normality. The consistent predictive power of the models exhibited in the analysis of test watersheds is judged to be indicative that no significant error is introduced by these procedures.

Finally, while the derived curves do not purport to represent an optimum fit to the data, "optimizing procedures" were utilized which have produced a curve that approaches optimum fit to the data. A further detailed statistical analysis of residuals would be required

to significantly improve curve form. However, it is judged that the analysis would not significantly improve the predictive powers of the models.

IV. CONCLUSIONS

1. Four equations (one each for the 7-, 30-, 90- and 183-day durations) have been derived which are capable of estimating flows in small to intermediate sized watersheds (10-600 square miles). As noted previously, caution must be used when applying these models to low-lying (mean elevation less that 600 ft) watersheds.
2. Each model is capable of estimating along a continuum of events, suggesting that the selected variables are strongly associated with interwatershed fluctuations in low flows.
3. These equations are valid within the state of New Hampshire. Extreme caution must be used when applying these models outside the limits of New Hampshire, as variable interrelationships may change.

V. APPLICATION OF THE MODEL

The equations developed in this study can be used to estimate flows of 7-, 30-, 90- and 183-day durations, in intermediate sized (10 to 600 square miles) watersheds in New Hampshire. The equations are:

$$Q_{7csm} = 1.23 \left[(E^{1.65})\ (CLAD^{*1.05})\ /\ 10^{7.48}\right] - 0.0123$$

$$Q_{30csm} = 1.16 \left[(E^{1.63})\ (CLAD^{*1.10})\ /\ 10^{6.97}\right] - 0.0134$$

$$Q_{90csm} = 1.10 \left[(E^{1.39})\ (CLAD^{*1.28})\ /\ 10^{6.56}\right] - 0.0115$$

$$Q_{183csm} = 1.17 \left[(E^{1.16})\ (CLAD^{*1.33})\ /\ 10^{5.62}\right] - 0.0361$$

With maps of contoured values of the climatic variable, CLAD*, which are provided in Section III of this report, flows can be estimated for four recurrence intervals: 2, 10, 20, and 50 years. The procedure for using these maps and the above models is as follows:

1) Determine size of the drainage area in square miles by measuring from USGS topographic maps.
2) Select the equation for the flow duration period (7, 30, 90, 183 days) for which flow is to be estimated.
3) Select the appropriate CLAD* map for the recurrence interval (2, 10, 20, 50 years) which is being considered.

4) Locate the watershed being investigated on the CLAD* map and interpolate a value for the CLAD* variable in the equation that represents the mean CLAD* for the watershed.

5) Using USGS topographic maps, determine the estimated mean elevation (E) of the watershed being investigated using Equation (1) in this report (p. 39).

6a) Enter the values for CLAD* and estimated mean watershed elevation (E) in the equation and calculate the estimated discharge in cubic feet per second per square mile (csm) for the selected flow duration and return interval.

OR 6b) Select the Low Flow Guide Curve for the flow duration for which flow is to be estimated (see Figures 6-9). Enter the graph with the estimated mean watershed elevation and read across to the curve which represents the value for CLAD* for the watershed. Then read down to determine the estimated discharge in cubic feet per second per square mile (csm).

7) Multiply by drainage area to determine discharge.

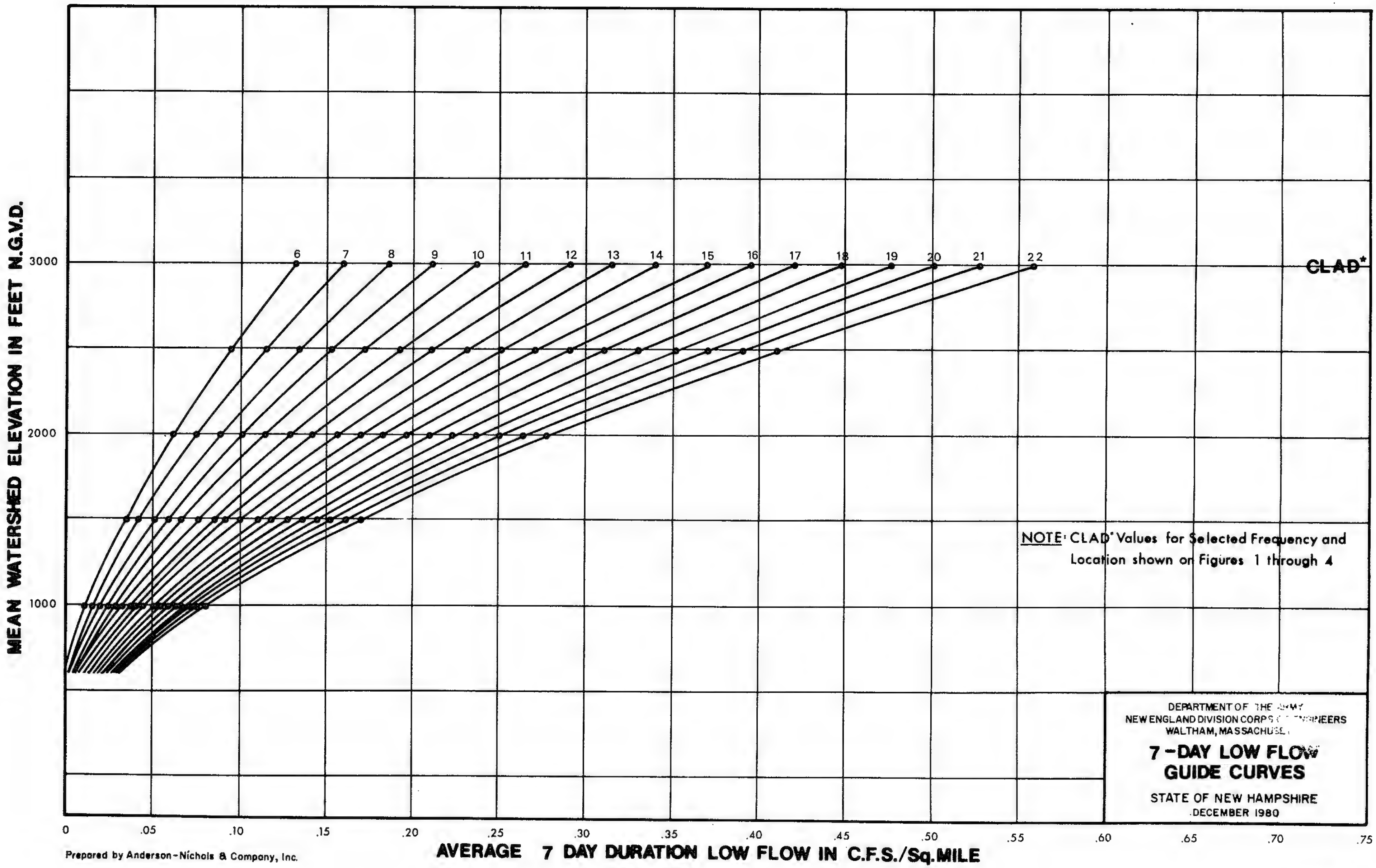
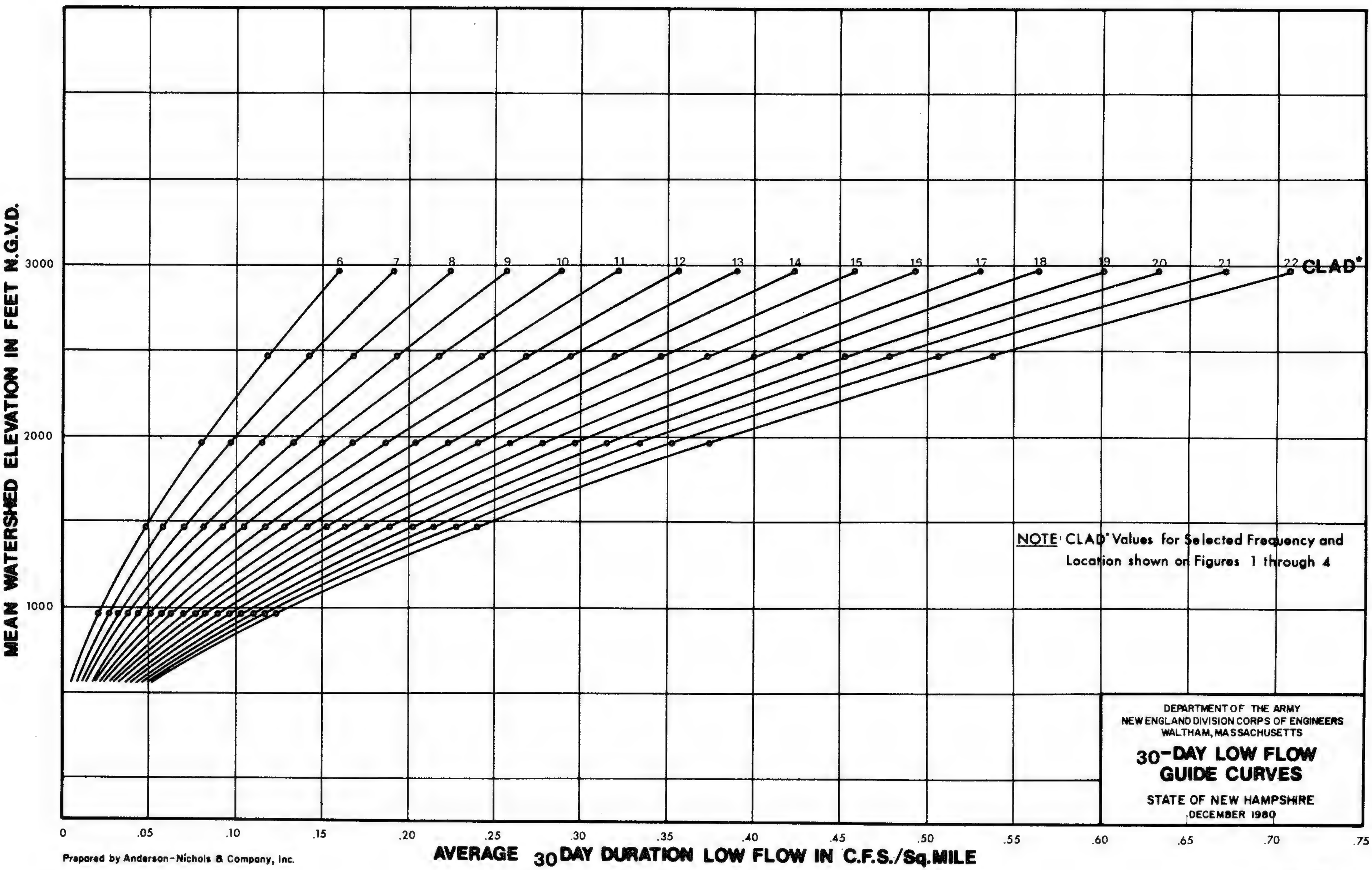

MEAN WATERSHED ELEVATION IN FEET N.G.V.D.
3000
2000
1000
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
CLAD*
NOTE: CLAD* Values for Selected Frequency and Location shown on Figures 1 through 4
0
.05
.10
.15
.20
.25
.30
.35
.40
.45
.50
.55
.60
.65
.70
.75
AVERAGE 7 DAY DURATION LOW FLOW IN C.F.S./Sq.MILE
Prepared by Anderson-Nichols & Company, Inc.
DEPARTMENT OF THE ARMY
NEW ENGLAND DIVISION CORPS OF ENGINEERS
WALTHAM, MASSACHUSETTS
7-DAY LOW FLOW
GUIDE CURVES
STATE OF NEW HAMPSHIRE
DECEMBER 1980

FIGURE - 6



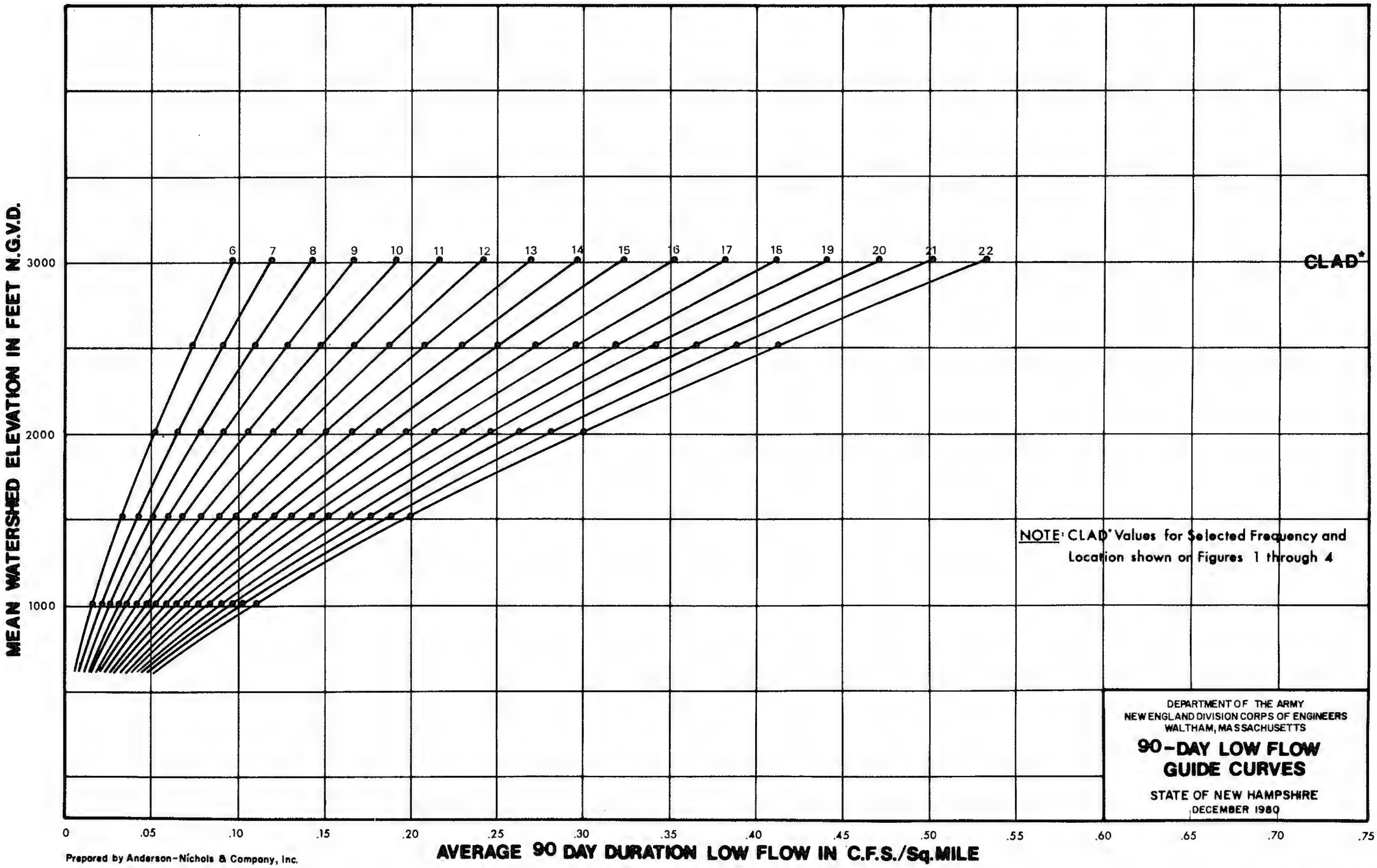
DEPARTMENT OF THE ARMY
NEW ENGLAND DIVISION CORPS OF ENGINEERS
WALTHAM, MASSACHUSETTS

30-DAY LOW FLOW GUIDE CURVES

STATE OF NEW HAMPSHIRE
DECEMBER 1980

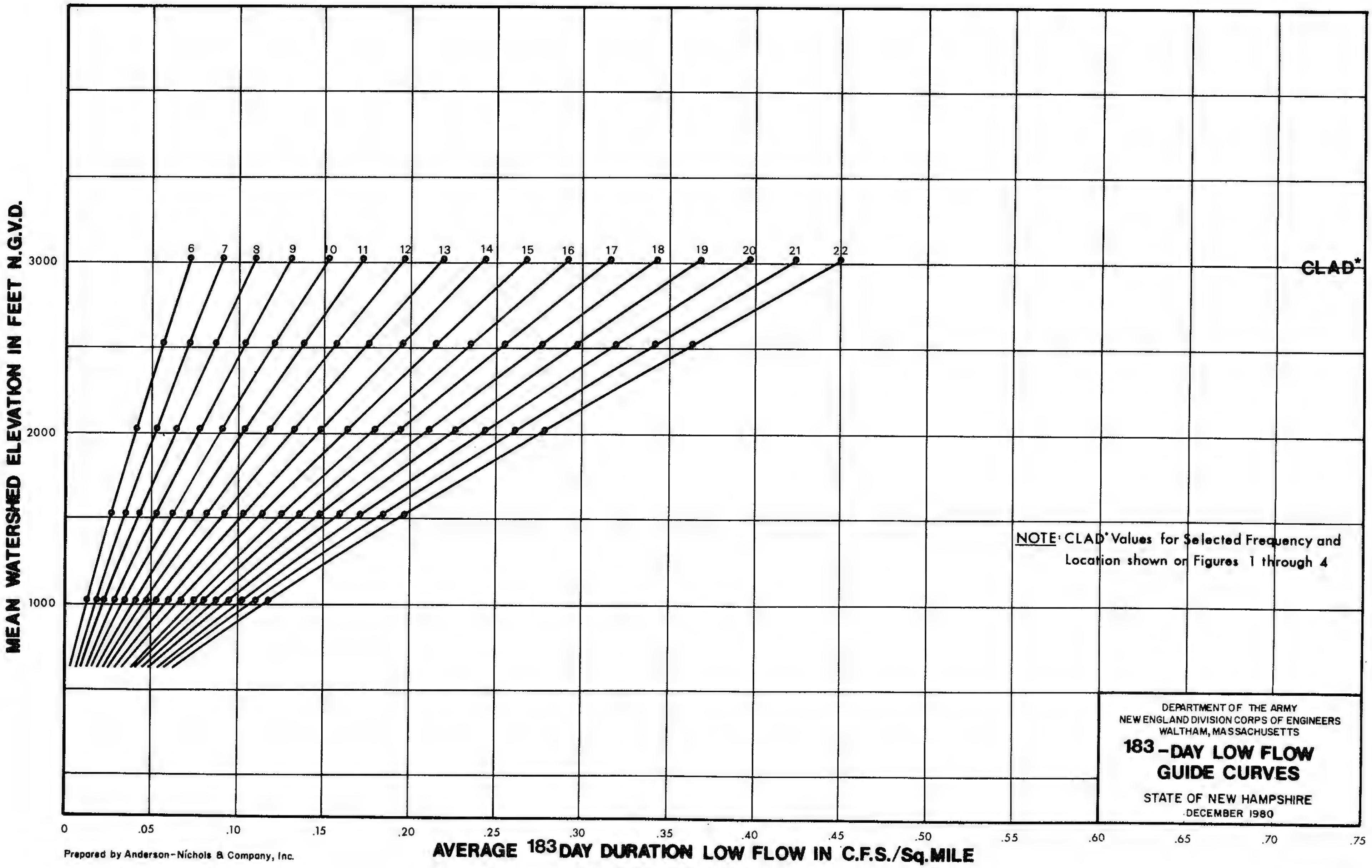
Prepared by Anderson-Nichols & Company, Inc.

FIGURE - 7



Prepared by Anderson-Nichols & Company, Inc.

FIGURE - 8



Prepared by Anderson-Nichols & Company, Inc.

FIGURE -9

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--------------------Topographic Maps. Maine, New Hampshire, Vermont. Scales 1:62,500 and 1:24,000.

-----------------1980. WATSTORE Data, Selected New England gages.

APPENDIX A

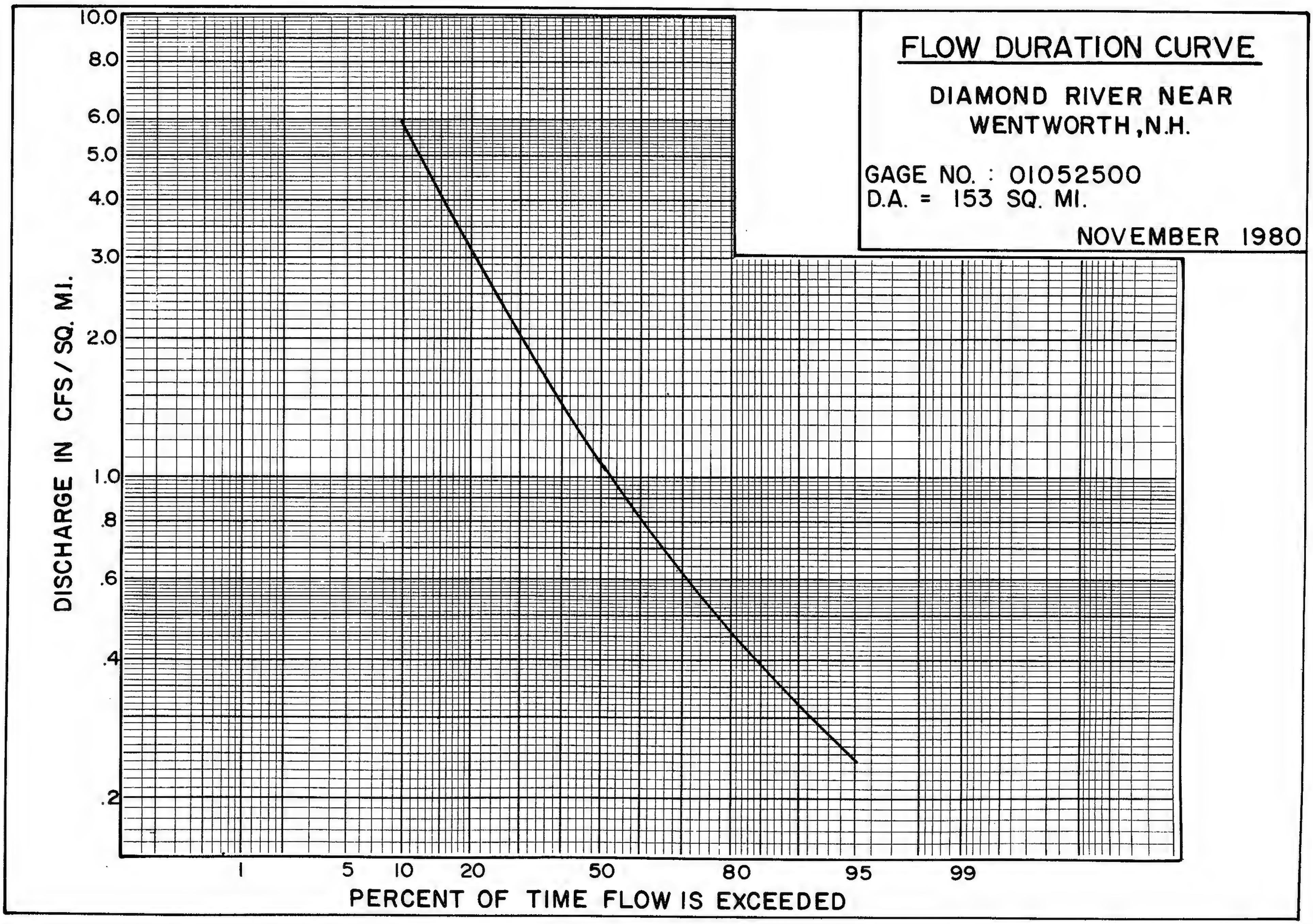
FLOW DURATION CURVES

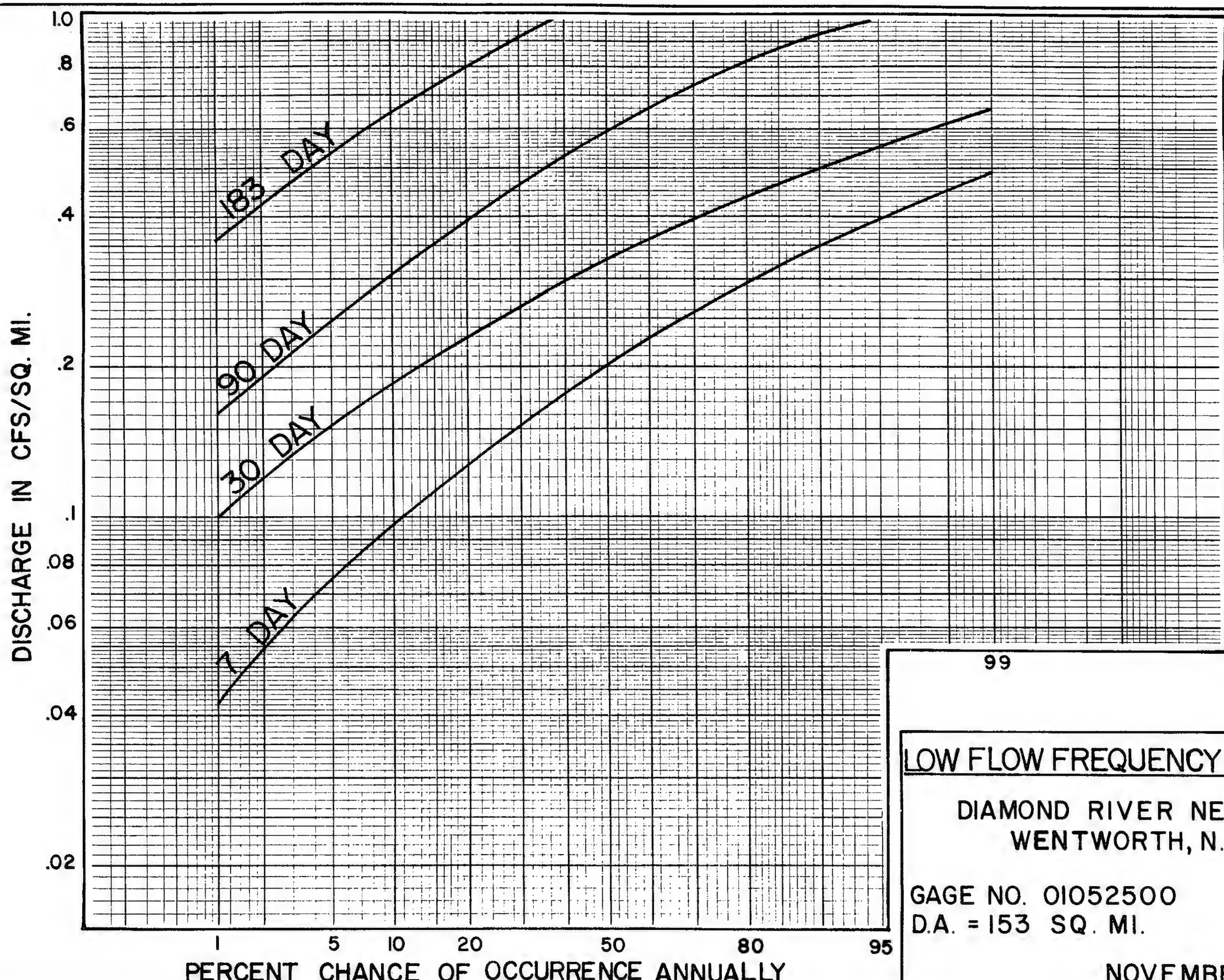
LOW FLOW FREQUENCY CURVES

CONTENTS

Station No.	Name
01052500	Diamond River near Wentworth, NH
01054300	Ellis River at South Andover, ME
01057000	Little Androscoggin River near South Paris, ME
01064300	Ellis River near Jackson, NH
01064500	Saco River near Conway, NH
01073000	Oyster River near Durham, NH
01074500	E. Branch Pemigewasset River near Lincoln, NH
01075000	Pemigewasset River at Woodstock, NH
01076000	Baker River near Rumney, NH
01076500	Pemigewasset River near Plymouth, NH
01078000	Smith River near Bristol, NH
01084500	Beards Brook near Hillsboro, NH
01086000	Warner River near Davisville, NH
01087000	Blackwater River near Webster, NH
01089000	Soucook River near Concord, NH
01091000	S. Branch Piscataquoq River near Goffstown, NH
01094000	Souhegan River at Merrimack, NH
01130000	Upper Ammonoosuc River near Groveton, NH
01133000	E. Branch Passumpsic River near East Haven, VT
01134500	Moose River near Victory, VT
01135000	Moose River near St. Johnsbury, VT

Station No.	Name
01137500	Ammonoosuc River near Bethlehem Jct., NH
01138000	Ammonoosuc River near Bath, NH
01142500	Ayers Brook at Randolph, VT
01145000	Mascoma River at West Canaan, NH
01153500	Williams River at Brockaway Mills, VT
01154000	Saxtons River at Saxtons River, VT
01155000	Cold River at Drewsville, NH
01156000	West River at Newfane, VT
01160000	S. Branch Ashuelot River near Marlborough, NH


FLOW DURATION CURVE
DIAMOND RIVER NEAR
WENTWORTH, N.H.
GAGE NO. : 01052500
D.A. = 153 SQ. MI.
NOVEMBER 1980
10.0
8.0
6.0
5.0
4.0
3.0
2.0
1.0
.8
.6
.4
.2
DISCHARGE IN CFS / SQ. MI.
1
5
10
20
50
80
95
99
PERCENT OF TIME FLOW IS EXCEEDED

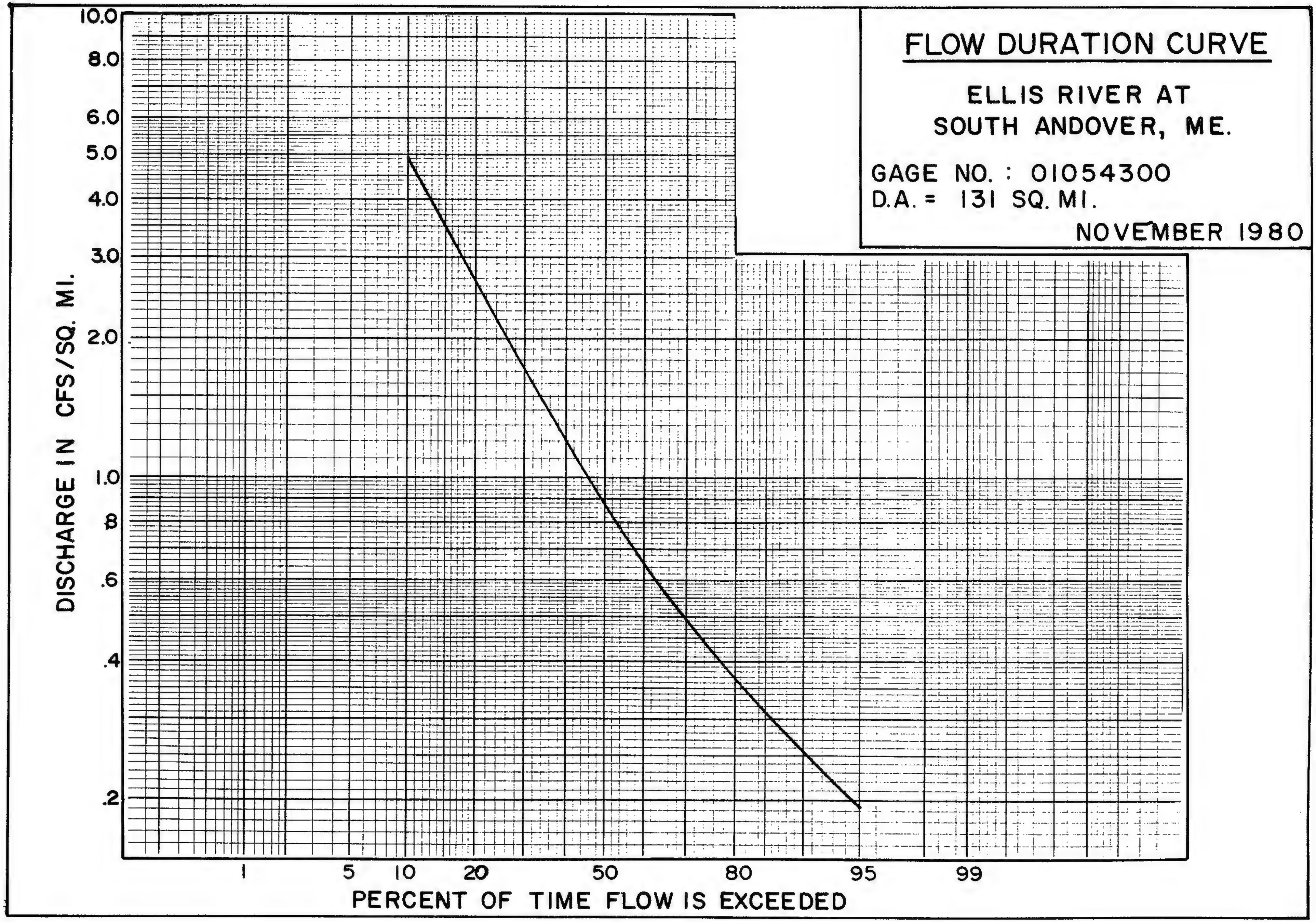


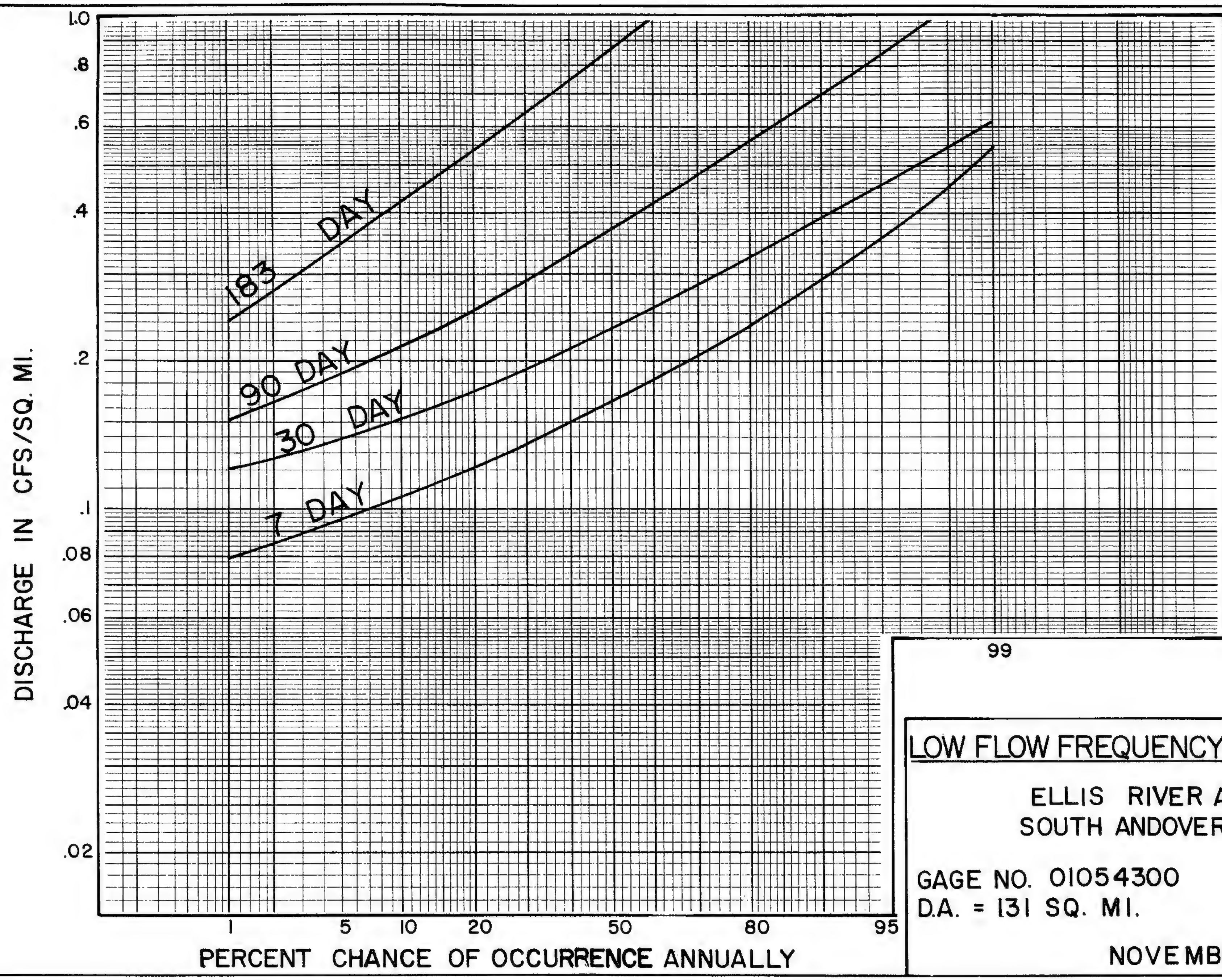
LOW FLOW FREQUENCY CURVES

DIAMOND RIVER NEAR
WENTWORTH, N.H.

GAGE NO. 01052500
D.A. = 153 SQ. MI.

NOVEMBER 1980


FLOW DURATION CURVE
ELLIS RIVER AT
SOUTH ANDOVER, ME.
GAGE NO. : 01054300
D.A. = 131 SQ. MI.
NOVEMBER 1980
DISCHARGE IN CFS/SQ. MI.
10.0
8.0
6.0
5.0
4.0
3.0
2.0
1.0
.8
.6
.4
.2
1
5
10
20
50
80
95
99
PERCENT OF TIME FLOW IS EXCEEDED

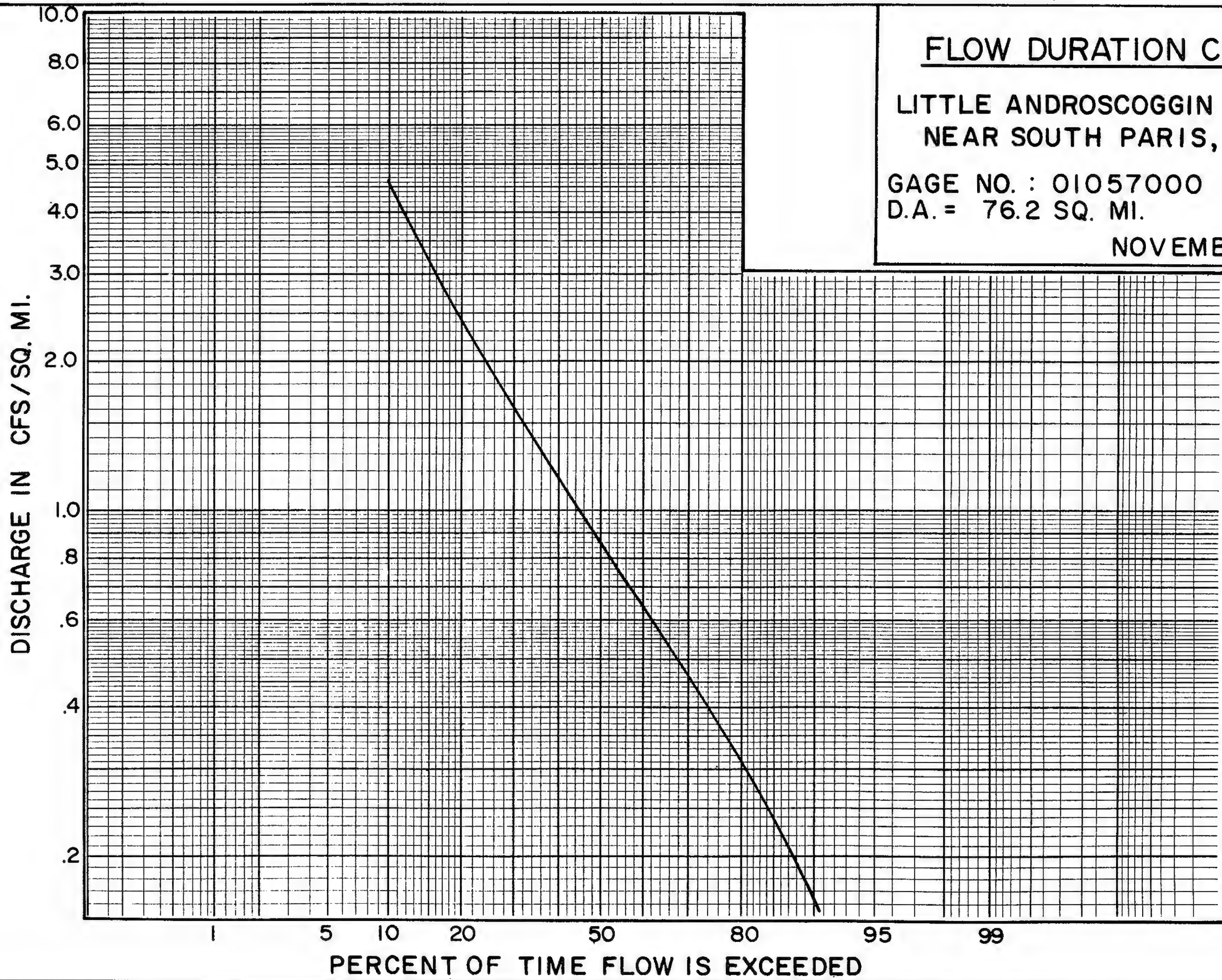


LOW FLOW FREQUENCY CURVES

ELLIS RIVER AT
SOUTH ANDOVER, ME.

GAGE NO. 01054300
D.A. = 131 SQ. MI.

NOVEMBER 1980

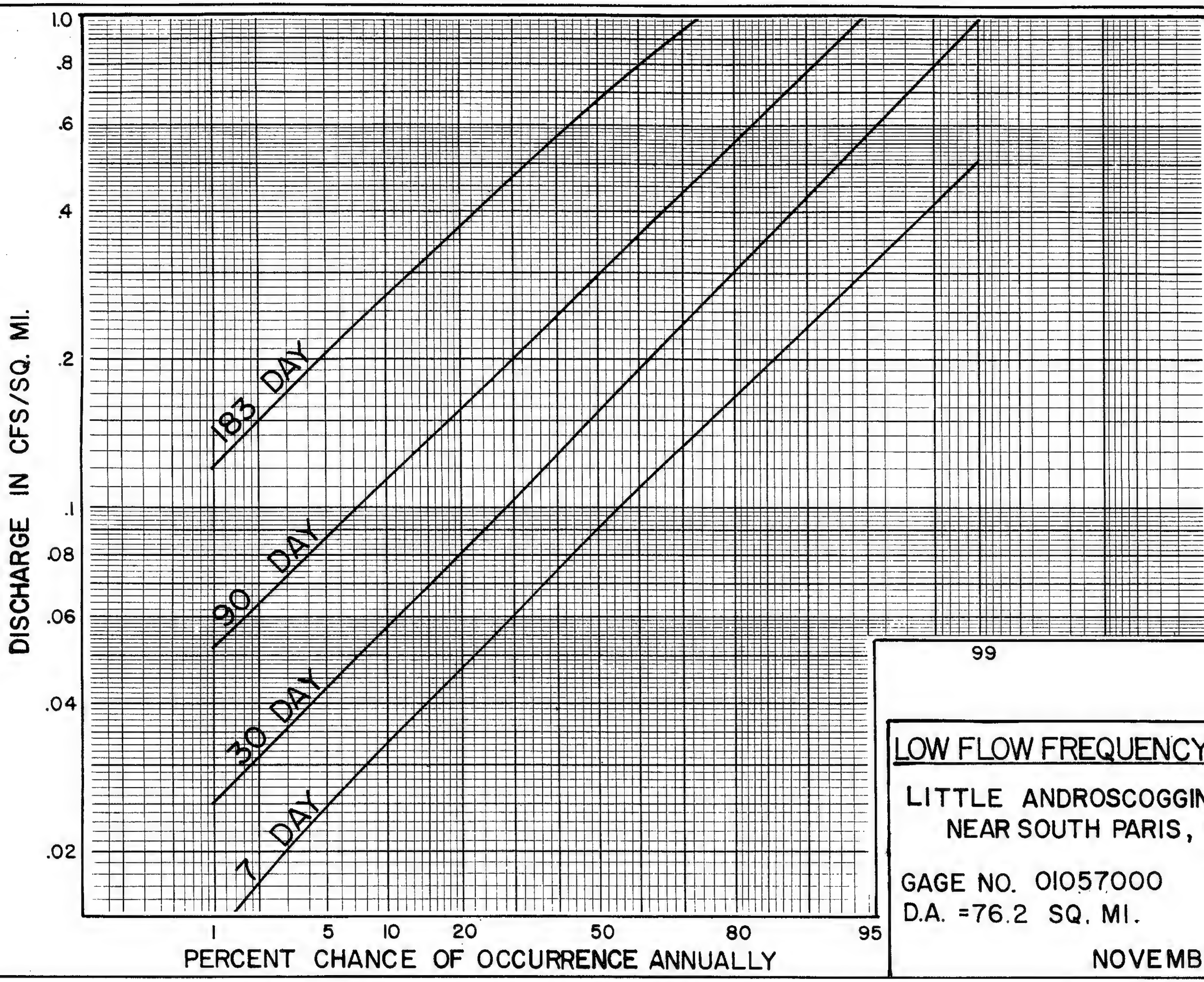


FLOW DURATION CURVE

LITTLE ANDROSCOGGIN RIVER
NEAR SOUTH PARIS, ME.

GAGE NO. : 01057000
D.A. = 76.2 SQ. MI.

NOVEMBER 1980

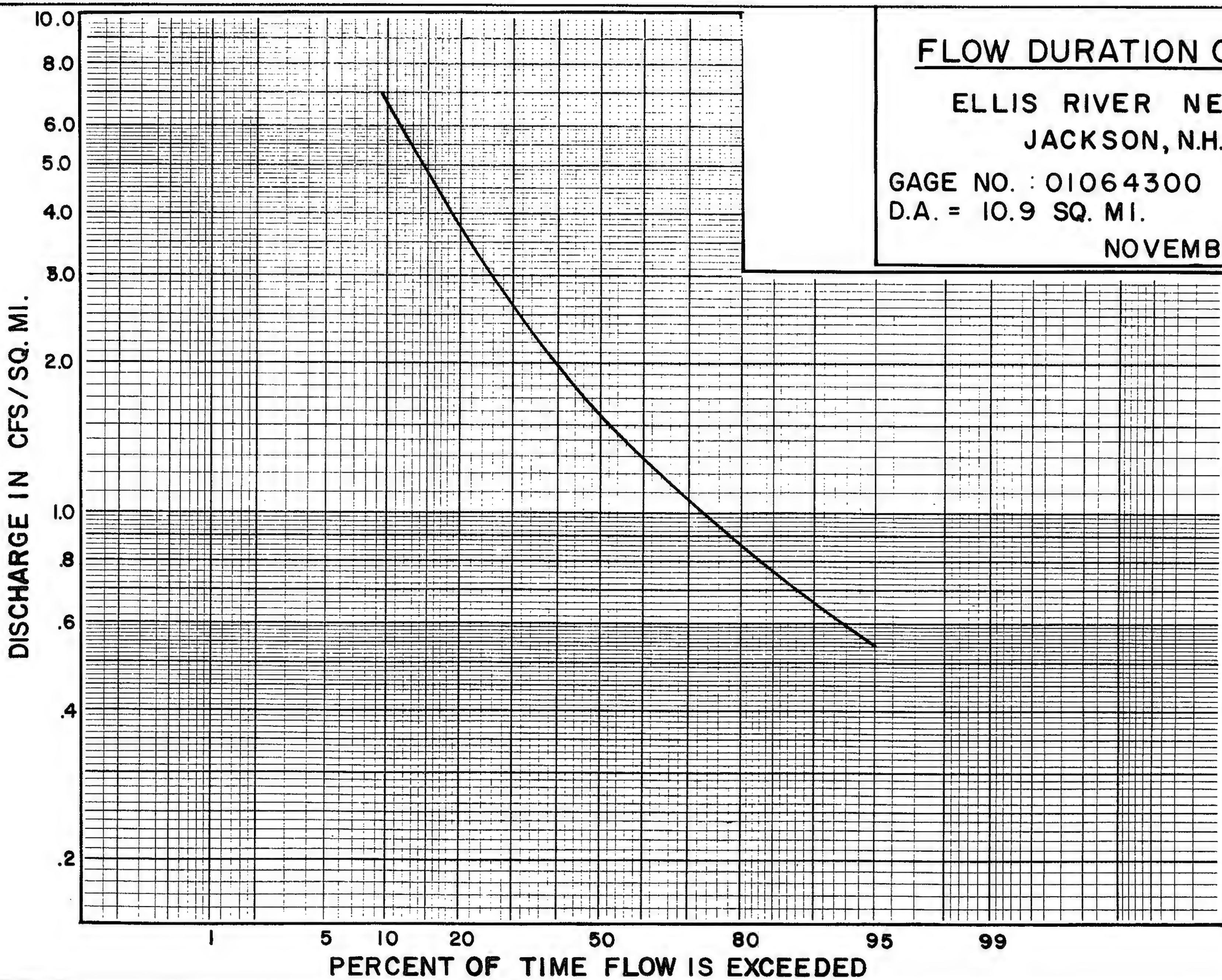


LOW FLOW FREQUENCY CURVES

LITTLE ANDROSCOGGIN RIVER
NEAR SOUTH PARIS, ME.

GAGE NO. 01057000
D.A. =76.2 SQ. MI.

NOVEMBER 1980

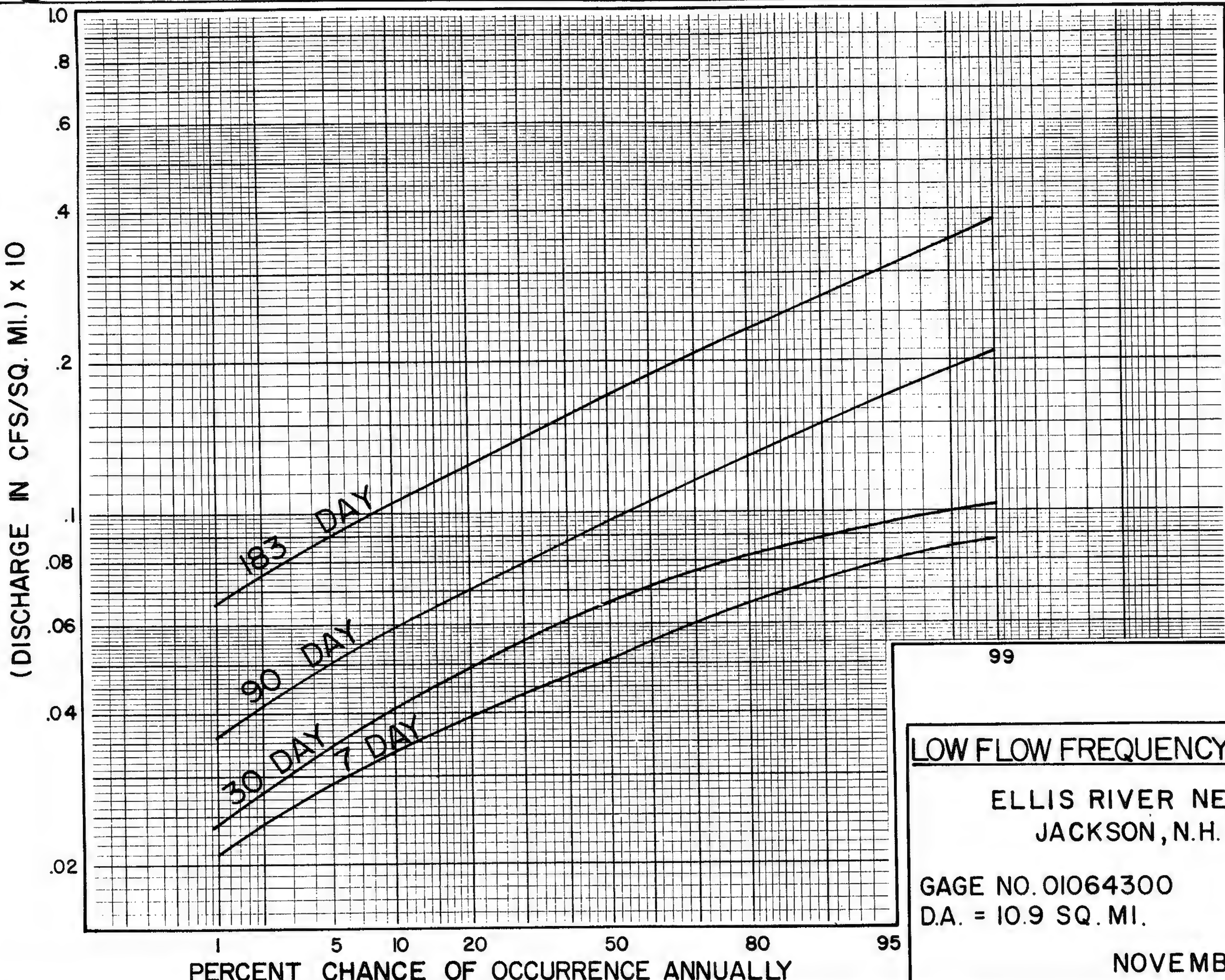


FLOW DURATION CURVE

ELLIS RIVER NEAR
JACKSON, N.H.

GAGE NO. : 01064300
D.A. = 10.9 SQ. MI.

NOVEMBER 1980

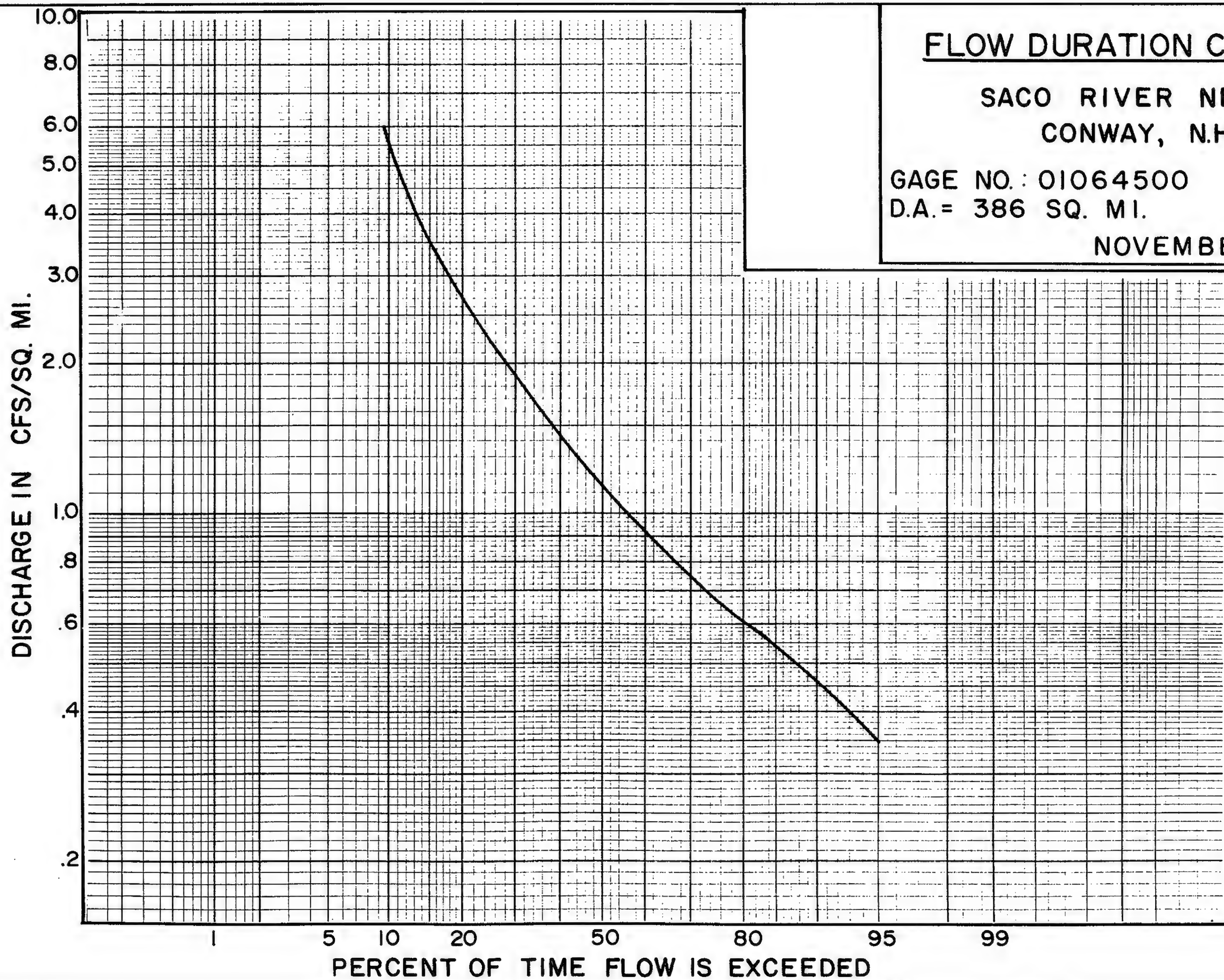


LOW FLOW FREQUENCY CURVES

ELLIS RIVER NEAR
JACKSON, N.H.

GAGE NO. 01064300
D.A. = 10.9 SQ. MI.

NOVEMBER 1980

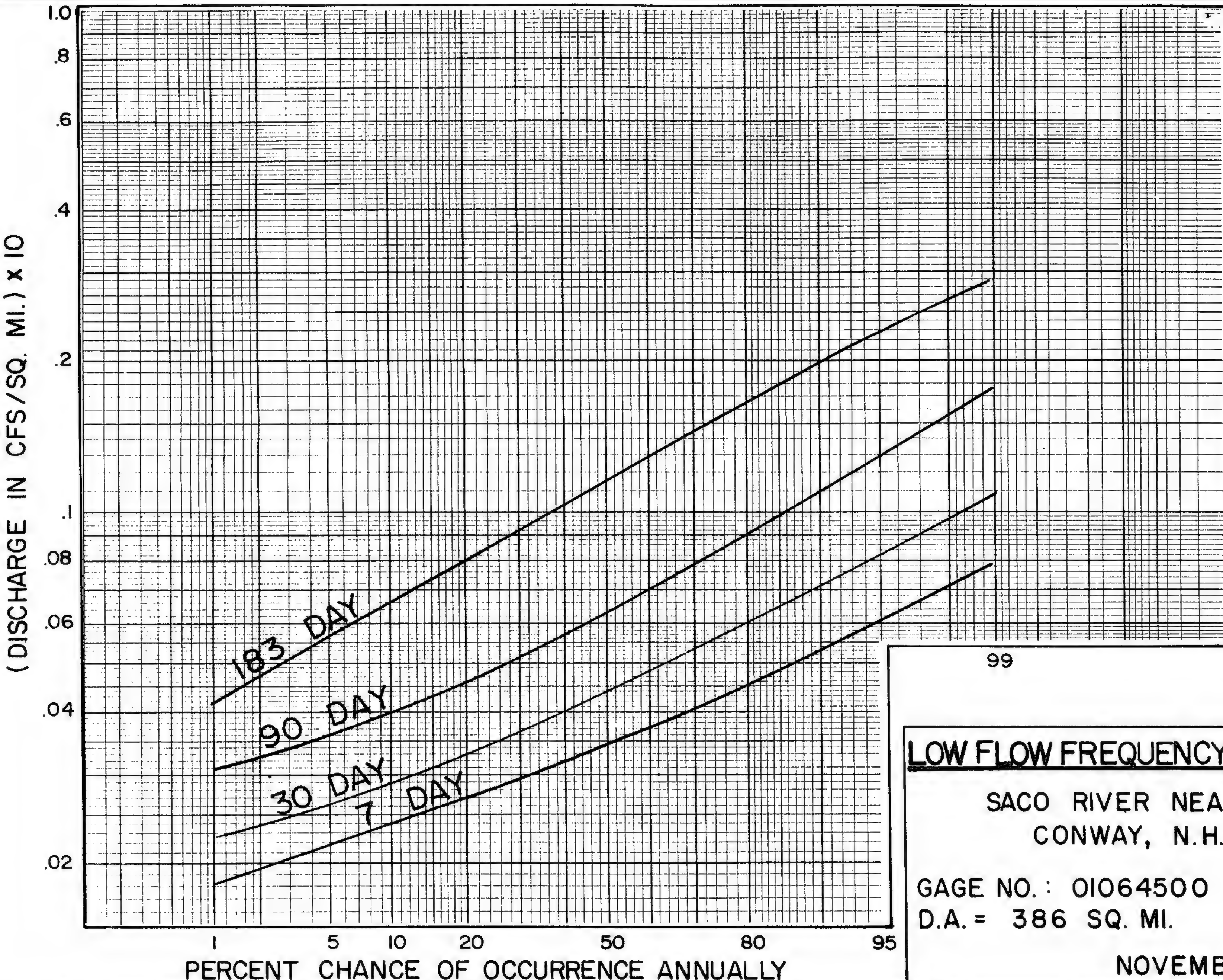


FLOW DURATION CURVE

SACO RIVER NEAR
CONWAY, N.H

GAGE NO.: 01064500
D.A.= 386 SQ. MI.

NOVEMBER 1980

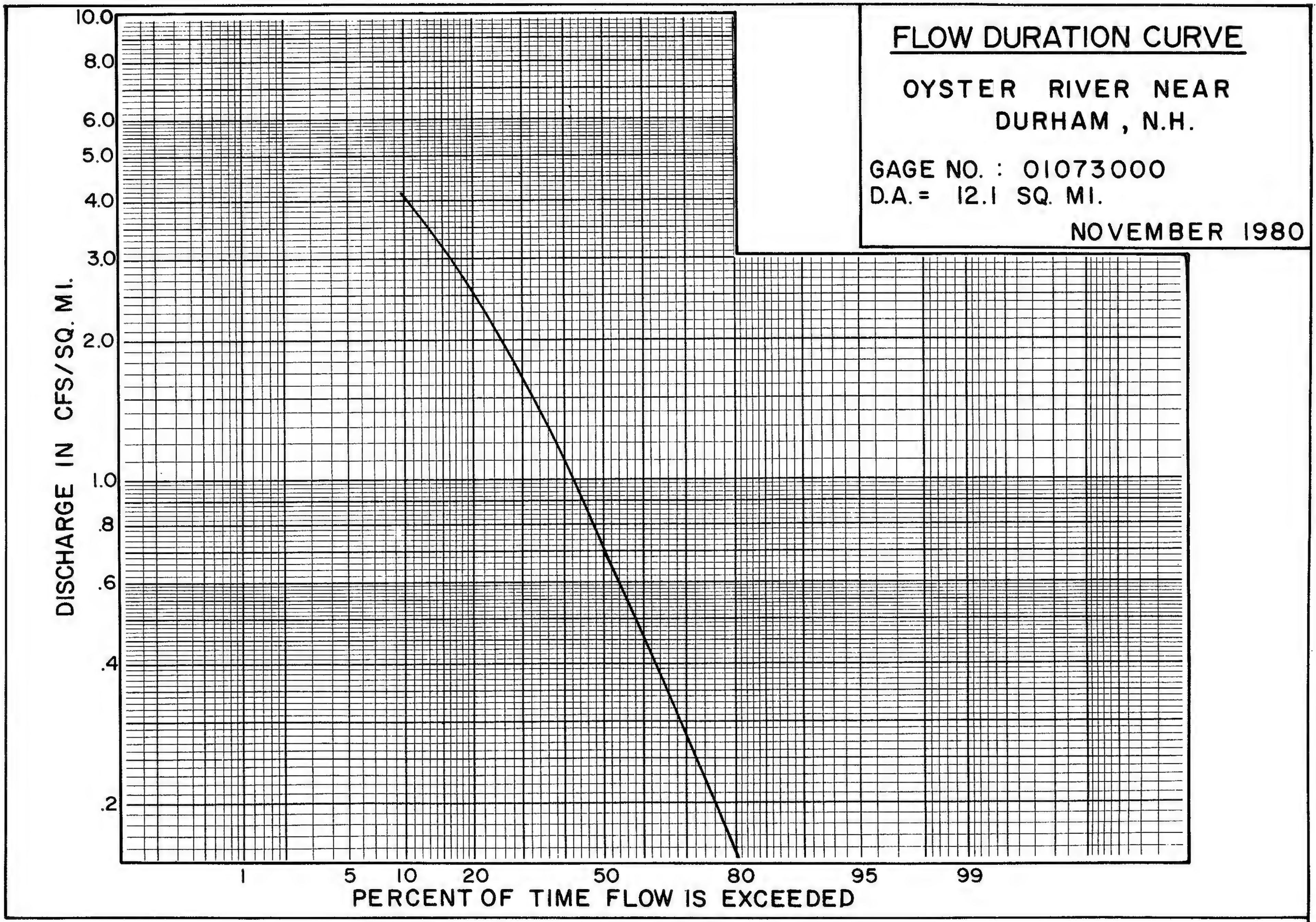


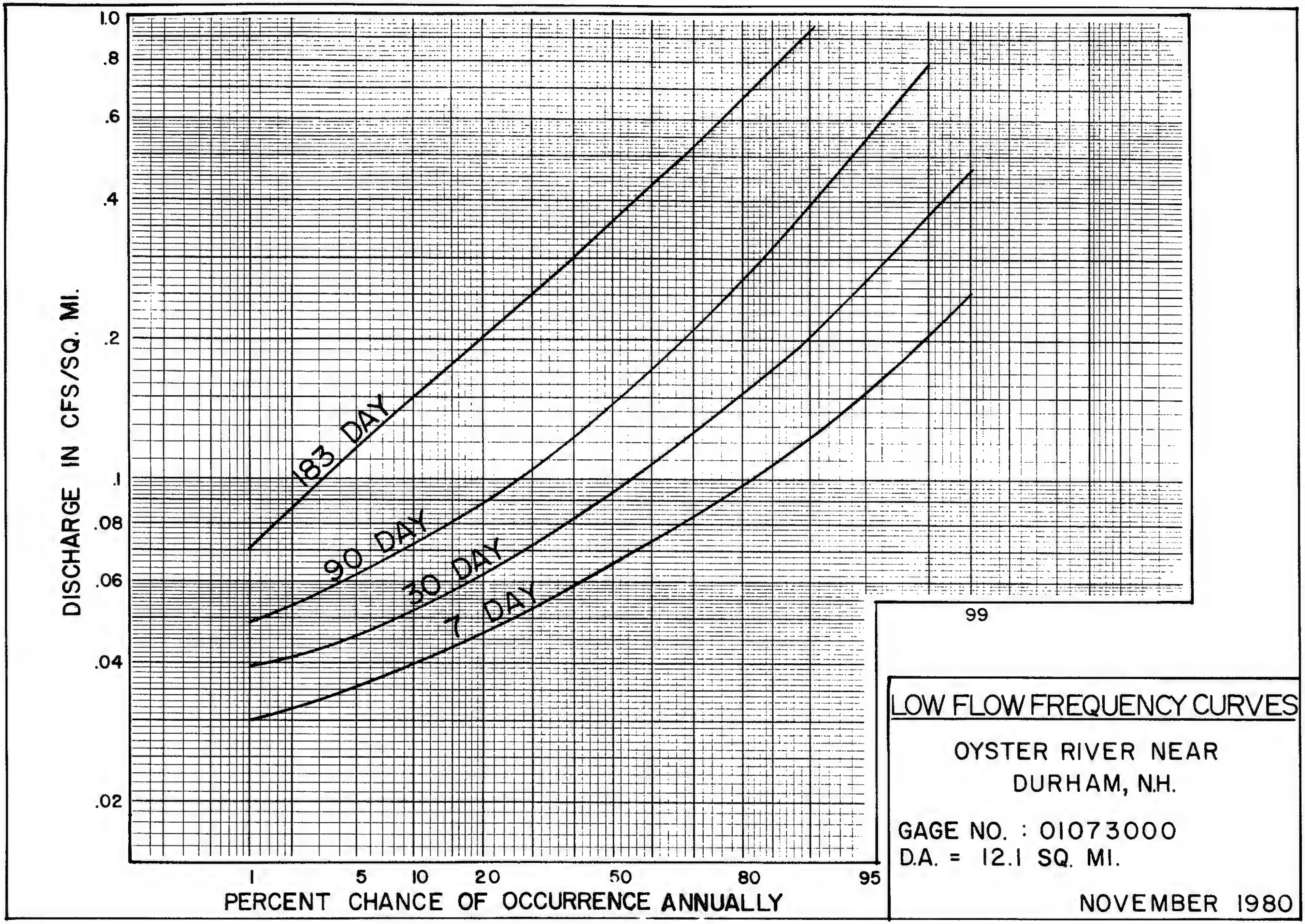
LOW FLOW FREQUENCY CURVES

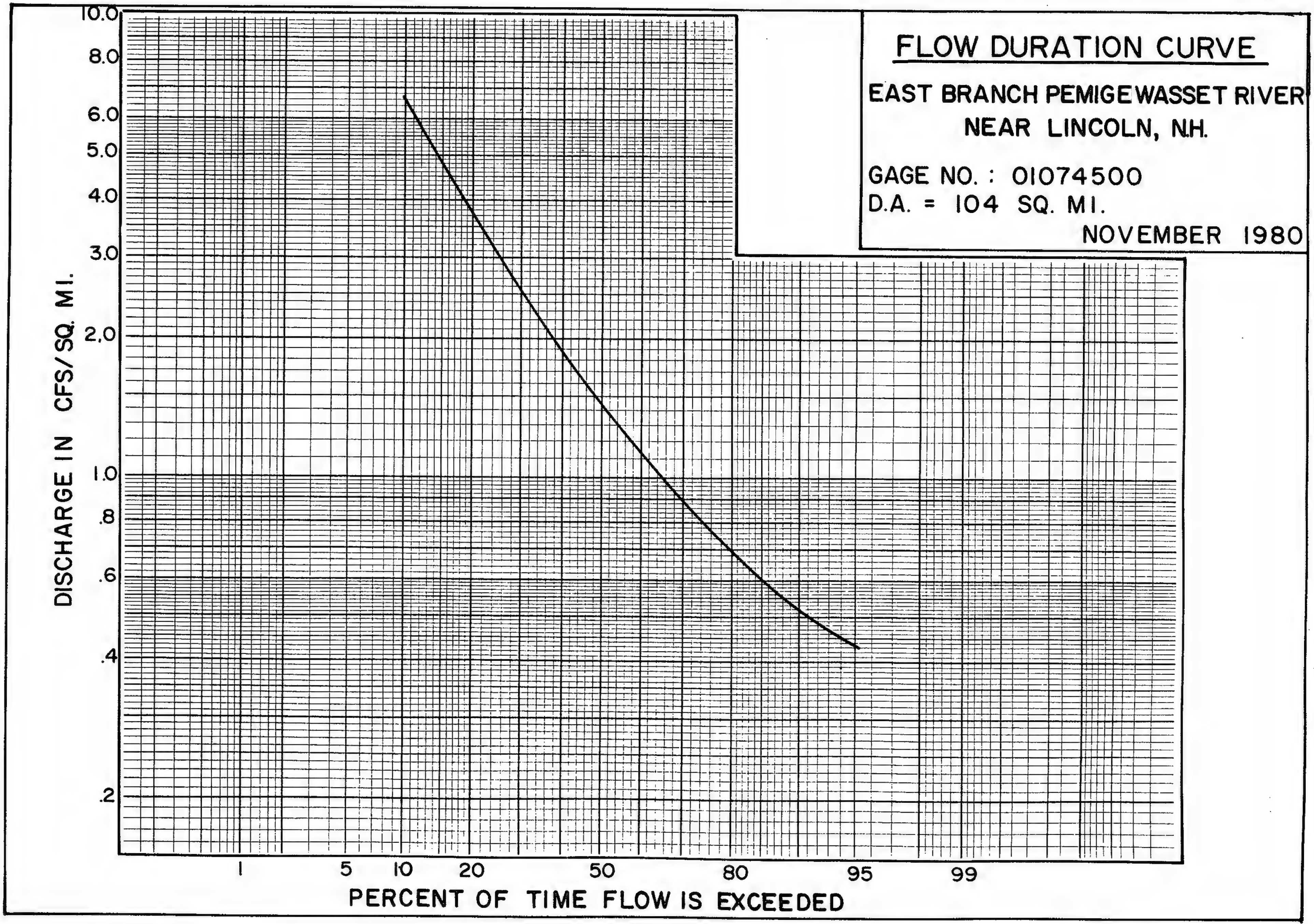
SACO RIVER NEAR
CONWAY, N.H.

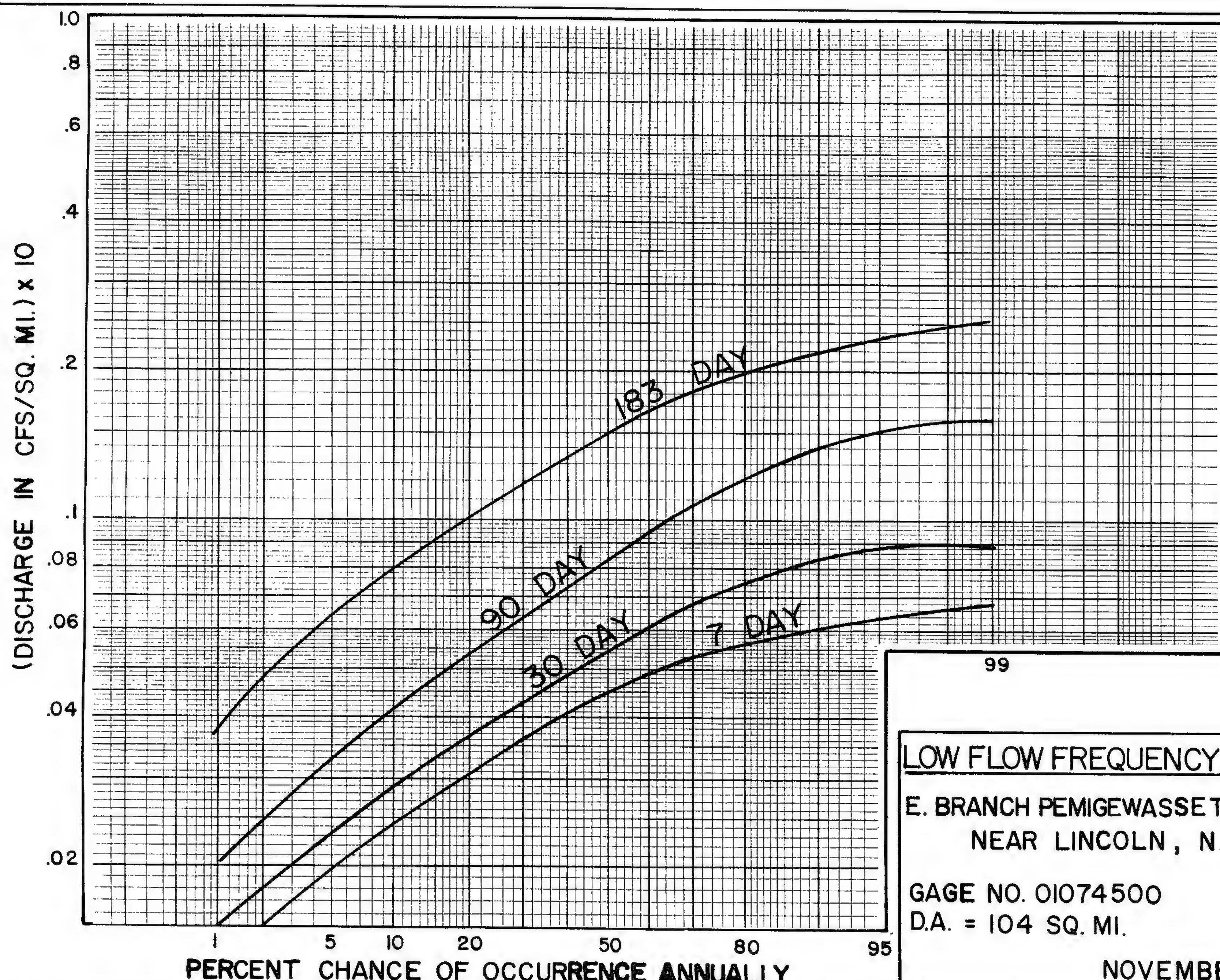
GAGE NO.: 01064500
D.A. = 386 SQ. MI.

NOVEMBER 1980


FLOW DURATION CURVE
OYSTER RIVER NEAR
DURHAM, N.H.
GAGE NO. : 01073000
D.A. = 12.1 SQ. MI.
NOVEMBER 1980
DISCHARGE IN CFS/SQ. MI.
10.0
8.0
6.0
5.0
4.0
3.0
2.0
1.0
.8
.6
.4
.2
1
5
10
20
50
80
95
99
PERCENT OF TIME FLOW IS EXCEEDED


1.0
.8
.6
.4
.2
.1
.08
.06
.04
.02
DISCHARGE IN CFS/SQ. MI.
183 DAY
90 DAY
30 DAY
7 DAY
1
5
10
20
50
80
95
99
PERCENT CHANCE OF OCCURRENCE ANNUALLY
LOW FLOW FREQUENCY CURVES
OYSTER RIVER NEAR
DURHAM, N.H.
GAGE NO. : 01073000
D.A. = 12.1 SQ. MI.
NOVEMBER 1980


FLOW DURATION CURVE
EAST BRANCH PEMIGEWASSET RIVER
NEAR LINCOLN, N.H.
GAGE NO. : 01074500
D.A. = 104 SQ. MI.
NOVEMBER 1980
DISCHARGE IN CFS/SQ. MI.
10.0
8.0
6.0
5.0
4.0
3.0
2.0
1.0
.8
.6
.4
.2
1
5
10
20
50
80
95
99
PERCENT OF TIME FLOW IS EXCEEDED

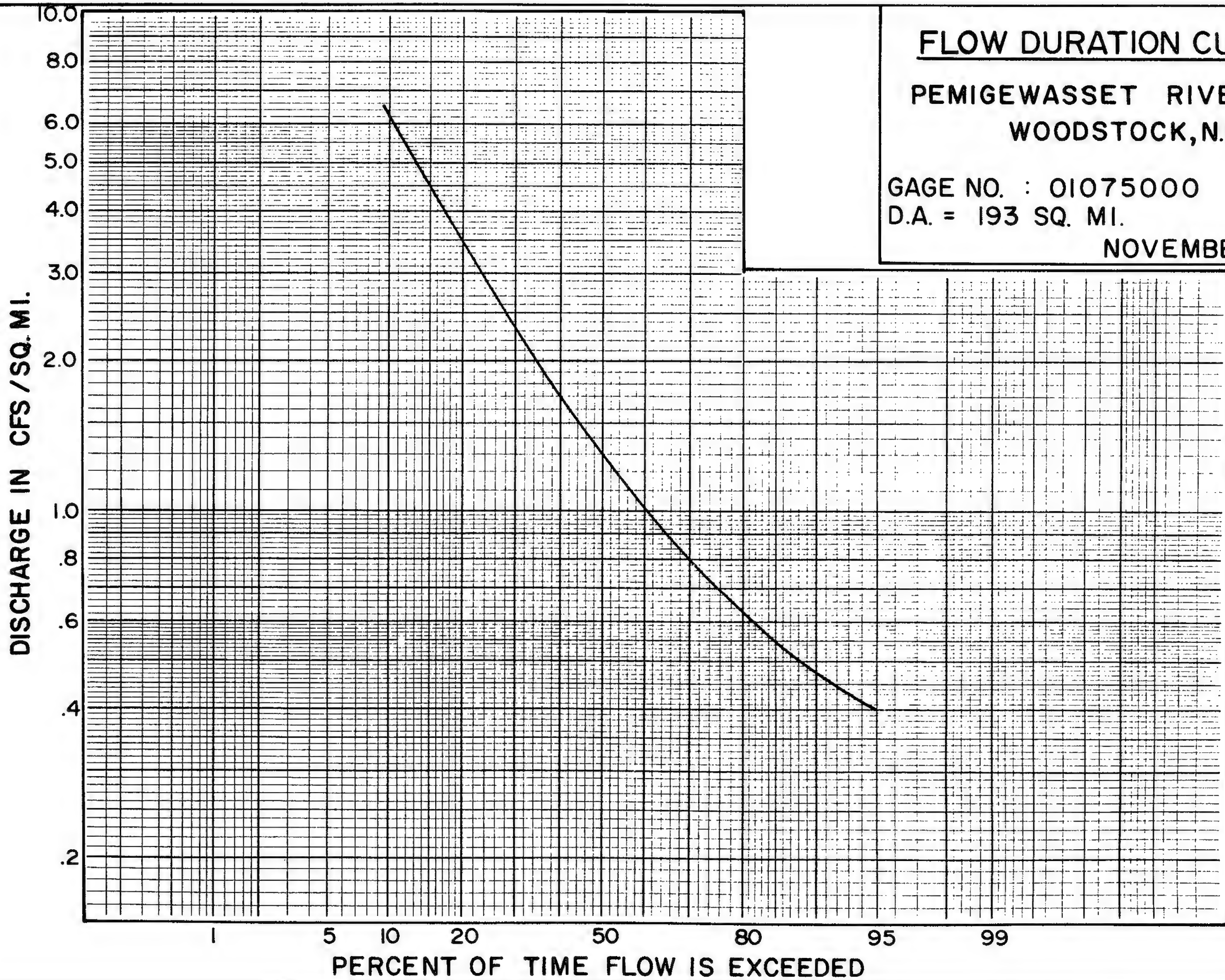


LOW FLOW FREQUENCY CURVES

E. BRANCH PEMIGEWASSET RIVER
NEAR LINCOLN, N. H.

GAGE NO. 01074500
D.A. = 104 SQ. MI.

NOVEMBER 1980

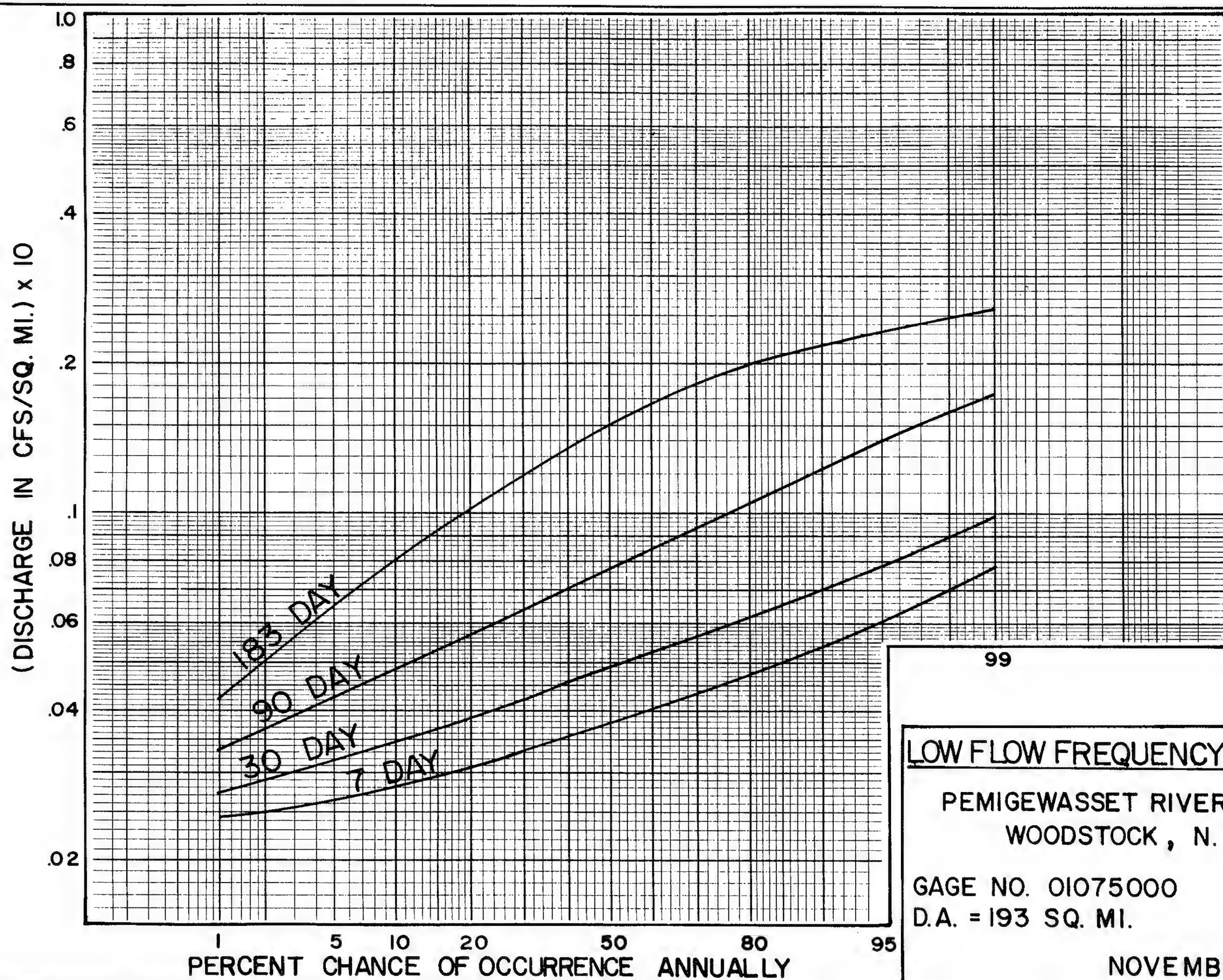


FLOW DURATION CURVE

PEMIGEWASSET RIVER AT
WOODSTOCK, N.H

GAGE NO. : 01075000
D.A. = 193 SQ. MI.

NOVEMBER 1980



LOW FLOW FREQUENCY CURVES

PEMIGEWASSET RIVER AT
WOODSTOCK, N. H.

GAGE NO. 01075000
D.A. = 193 SQ. MI.

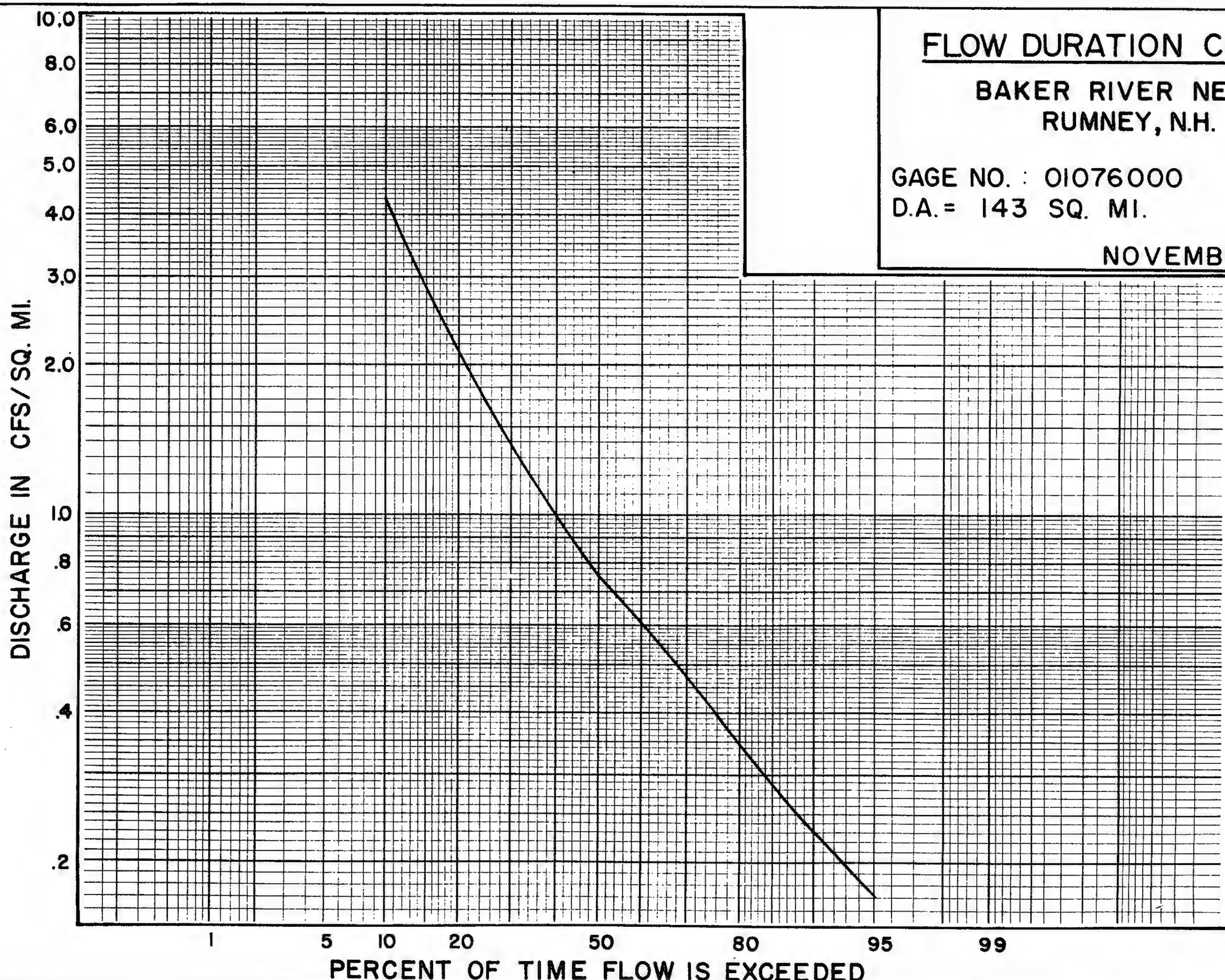
NOVEMBER 1980

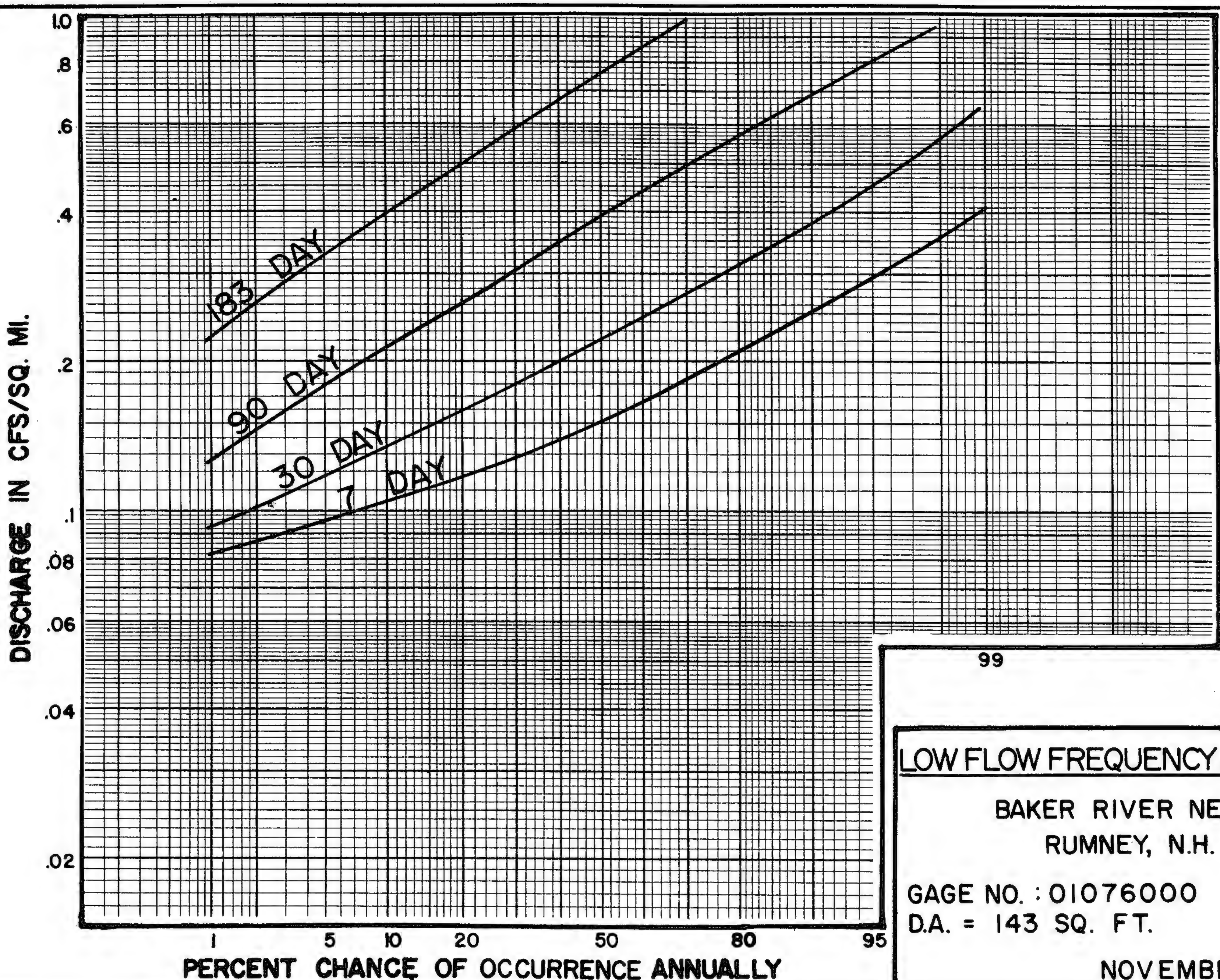
FLOW DURATION CURVE

BAKER RIVER NEAR
RUMNEY, N.H.

GAGE NO. : 01076000
D.A. = 143 SQ. MI.

NOVEMBER 1980





LOW FLOW FREQUENCY CURVES

BAKER RIVER NEAR
RUMNEY, N.H.

GAGE NO. : 01076000
D.A. = 143 SQ. FT.

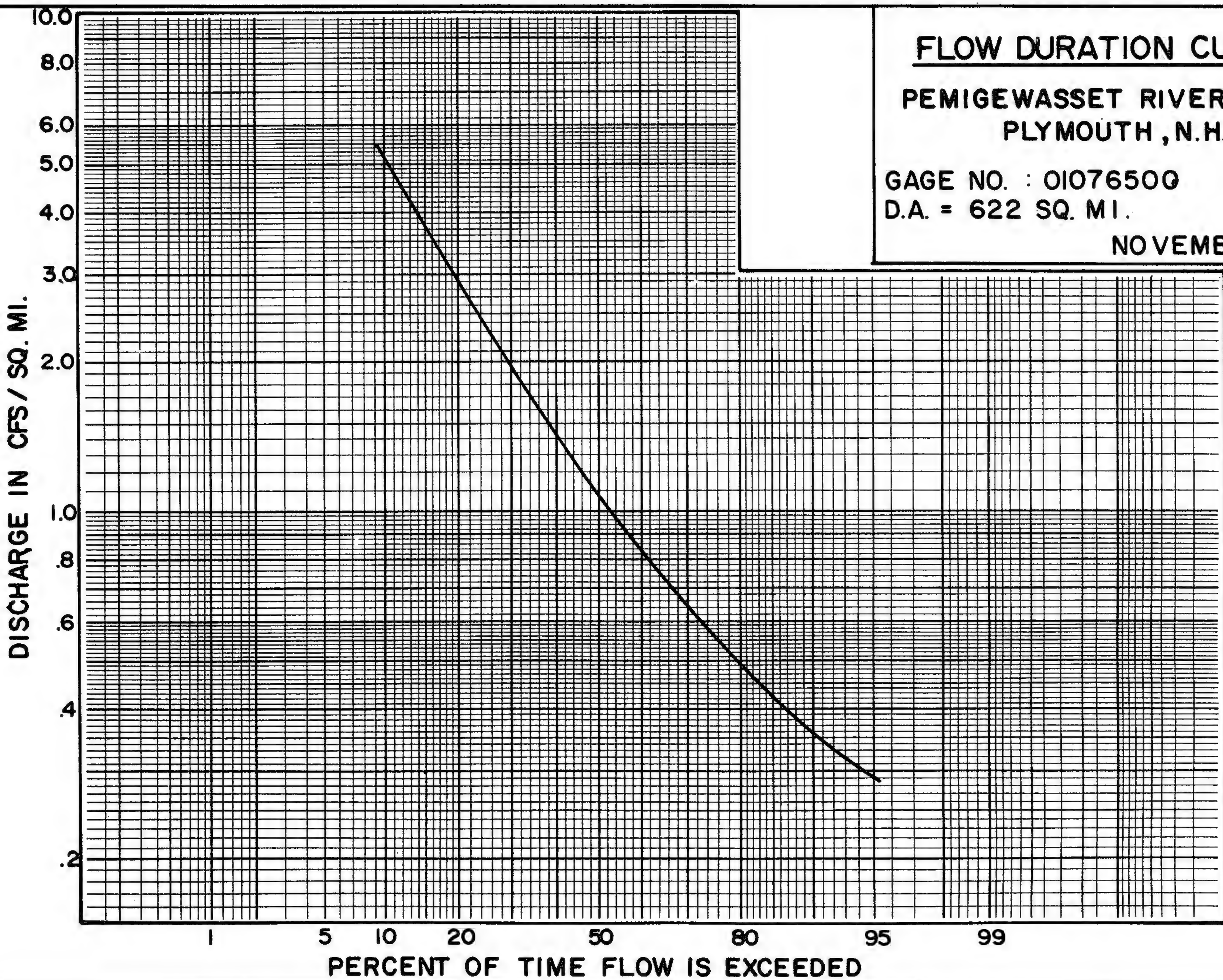
NOVEMBER 1980

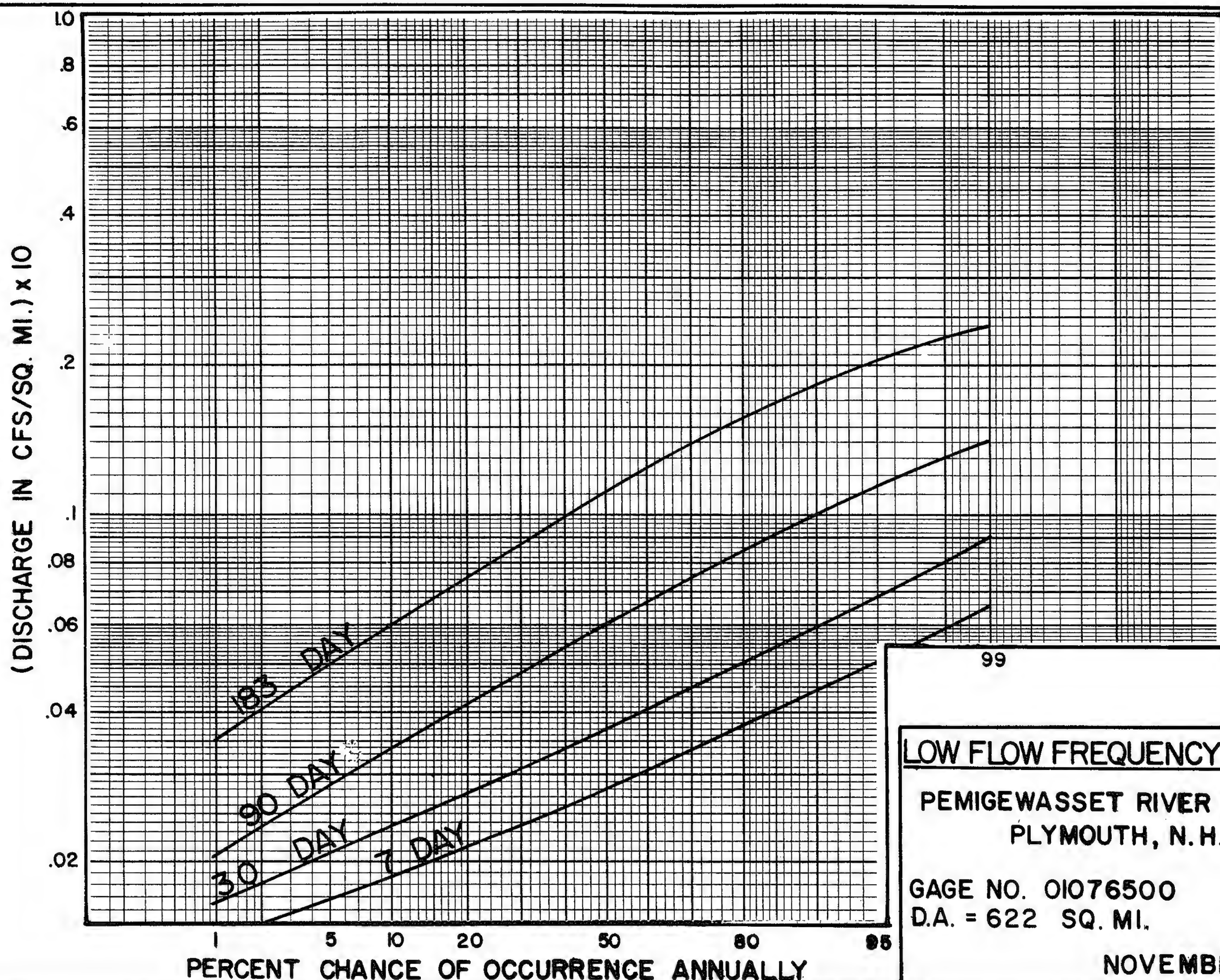
FLOW DURATION CURVE

PEMIGEWASSET RIVER NEAR
PLYMOUTH, N.H.

GAGE NO. : 01076500
D.A. = 622 SQ. MI.

NOVEMBER 1980





LOW FLOW FREQUENCY CURVES

PEMIGEWASSET RIVER NEAR
PLYMOUTH, N.H.

GAGE NO. 01076500
D.A. = 622 SQ. MI.

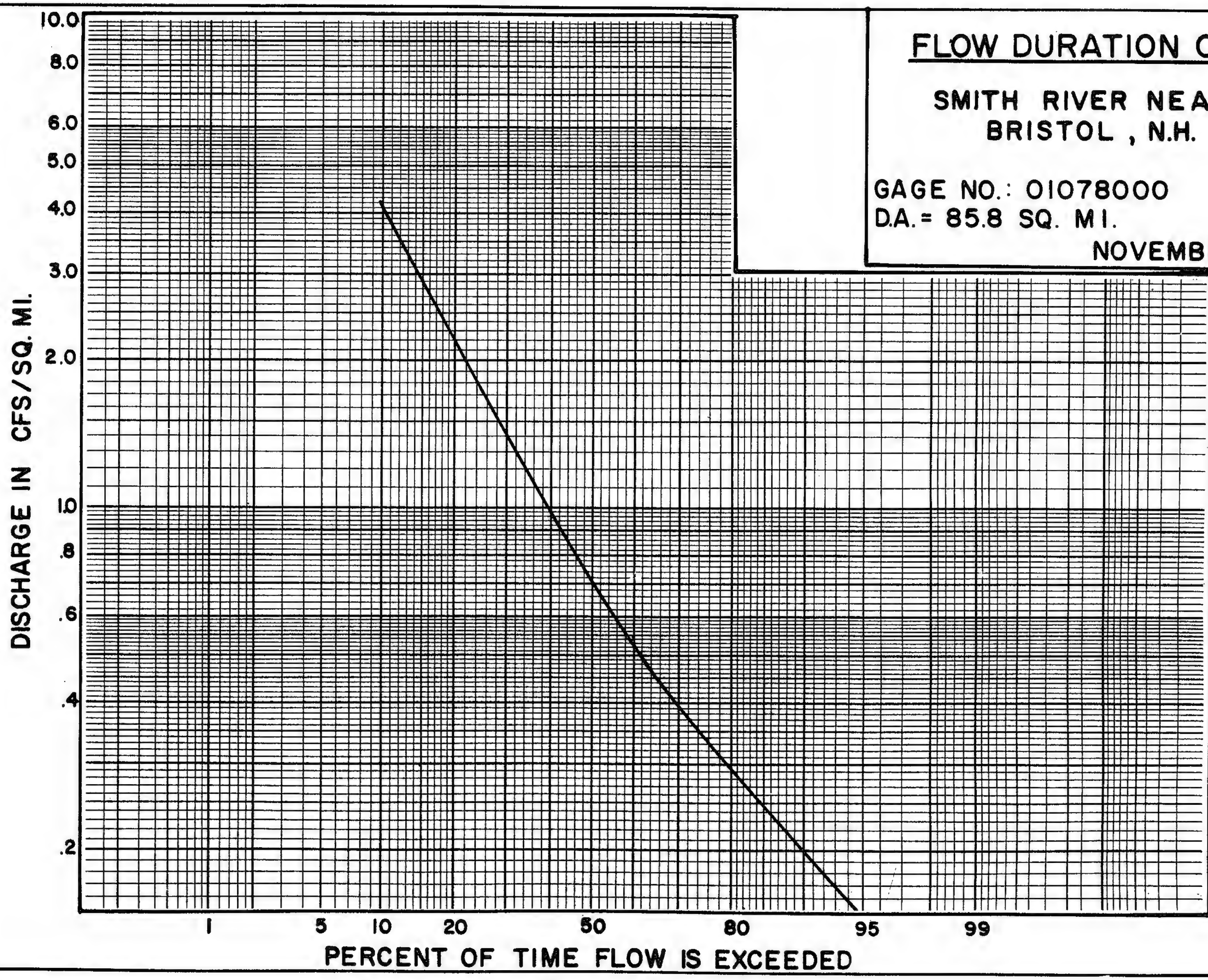
NOVEMBER 1980

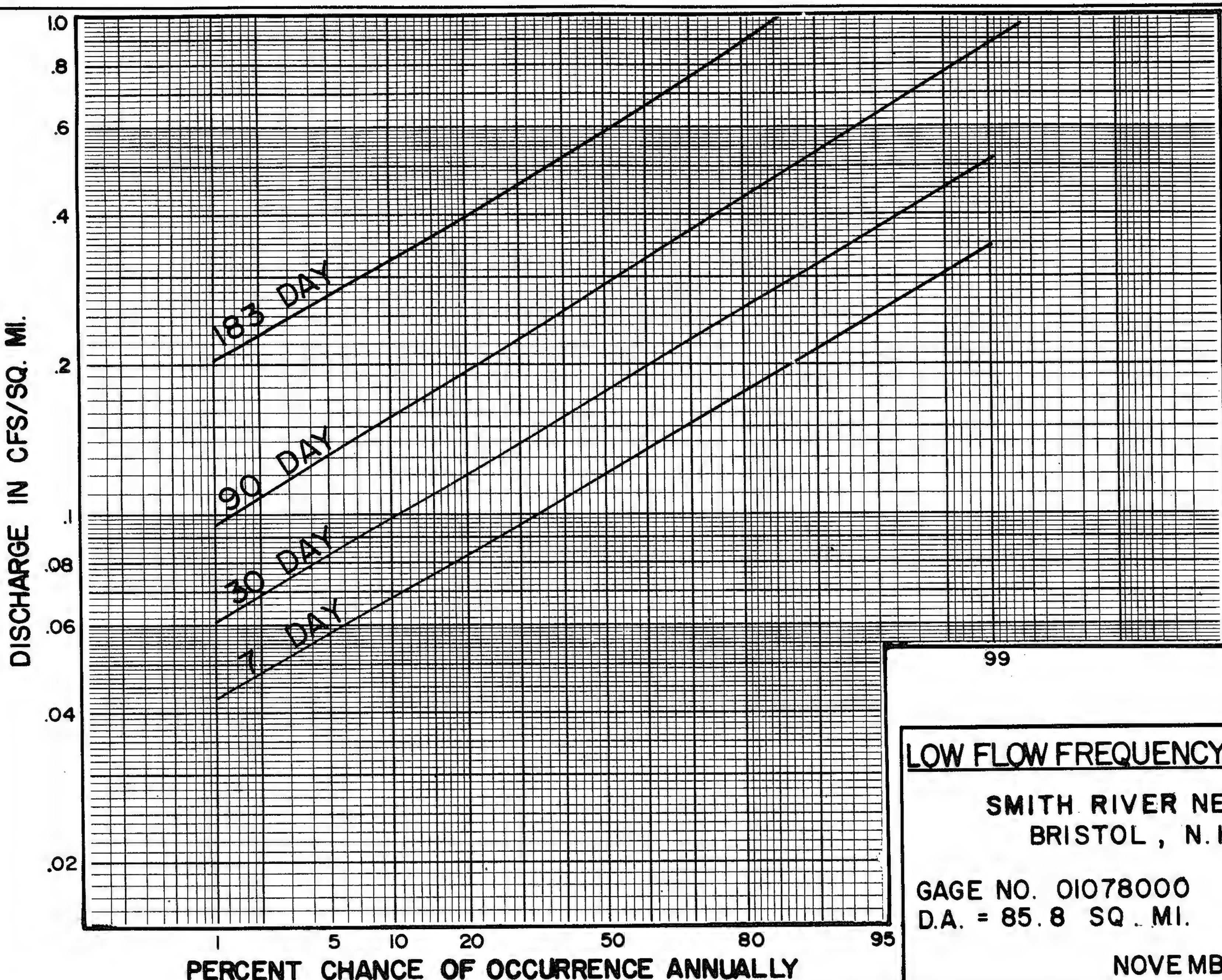
FLOW DURATION CURVE

SMITH RIVER NEAR
BRISTOL , N.H.

GAGE NO.: 01078000
D.A. = 85.8 SQ. MI.

NOVEMBER 1980



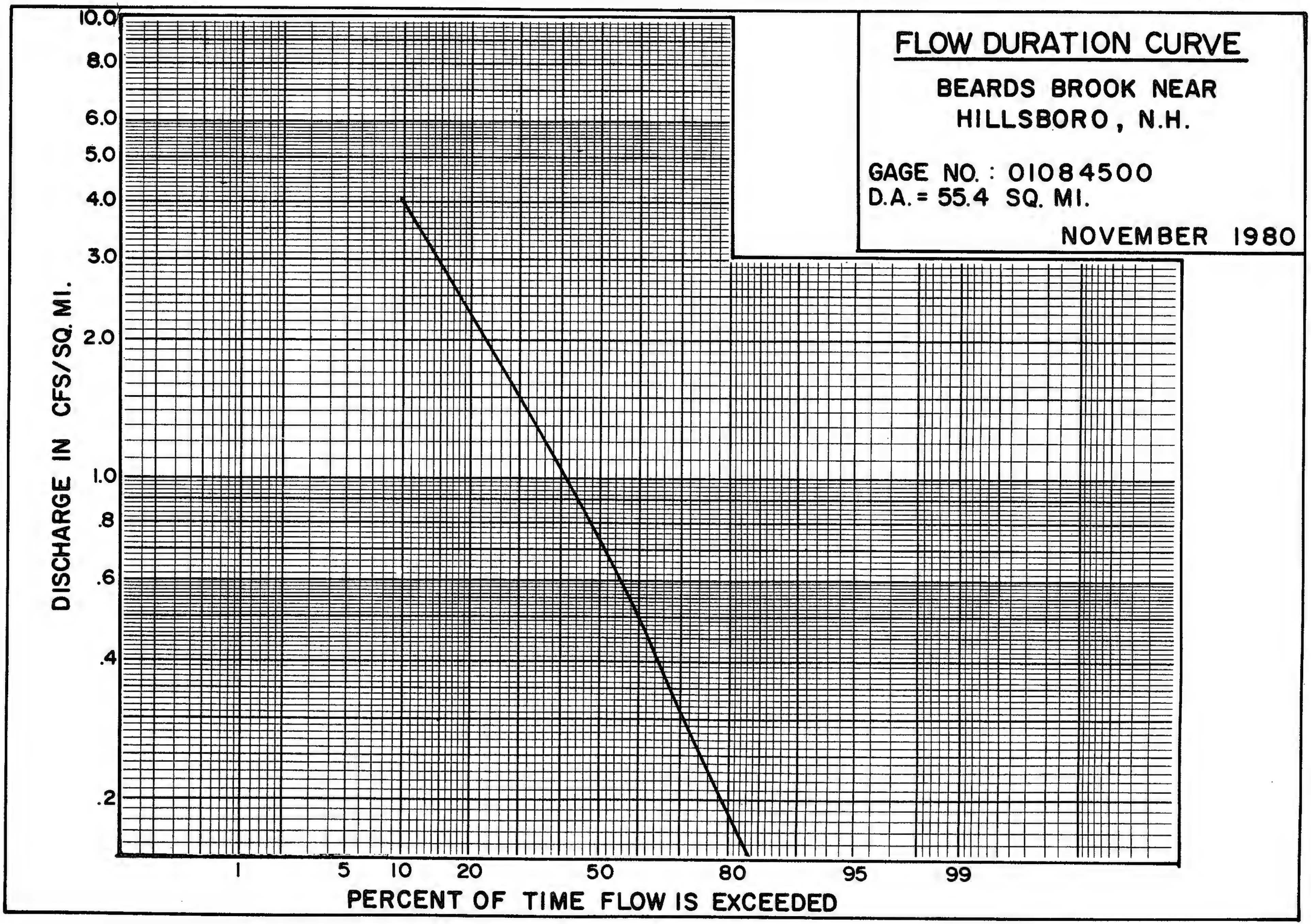


LOW FLOW FREQUENCY CURVES

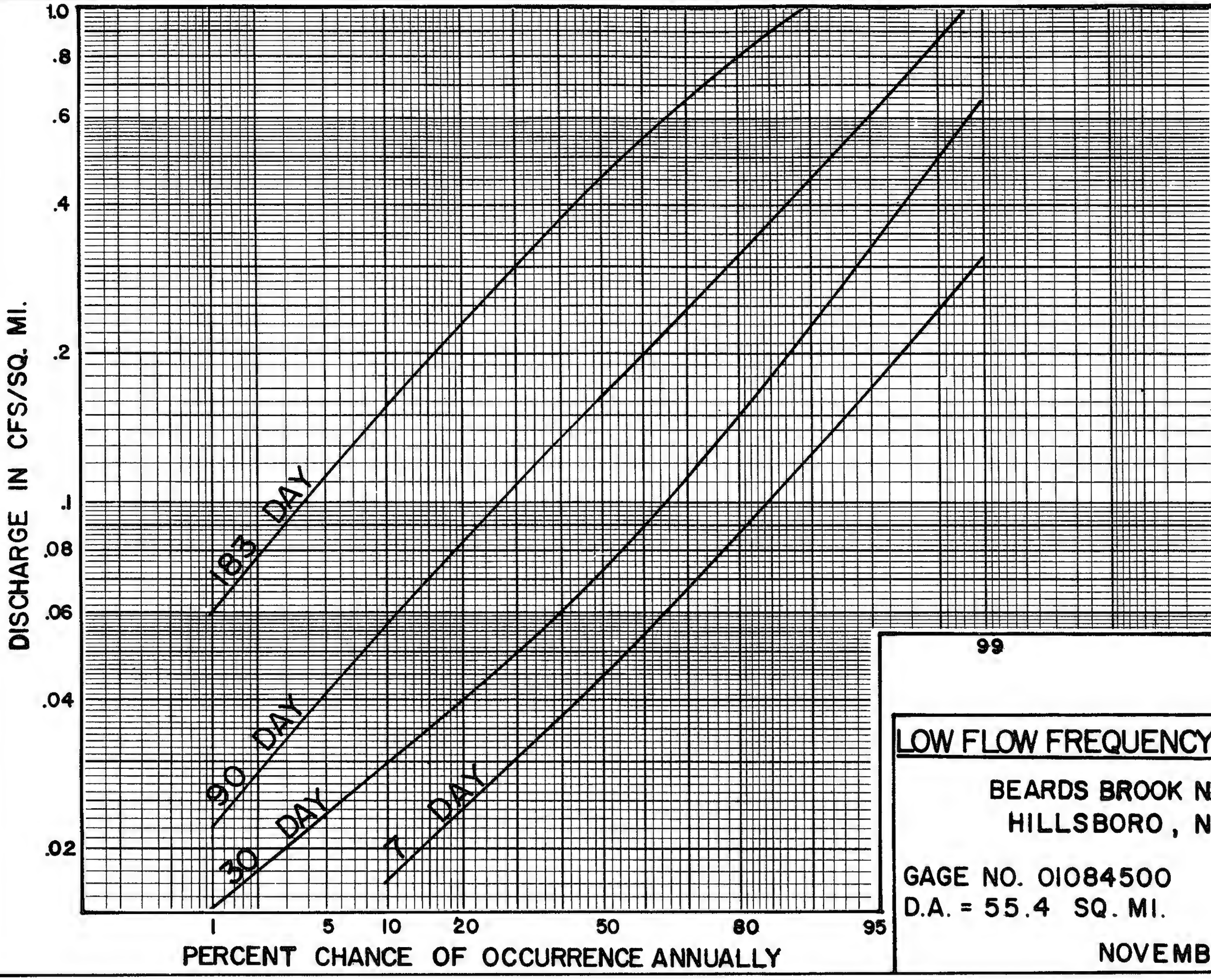
SMITH RIVER NEAR
BRISTOL, N.H.

GAGE NO. 01078000
D.A. = 85.8 SQ. MI.

NOVEMBER 1980



FLOW DURATION CURVE
BEARDS BROOK NEAR
HILLSBORO, N.H.
GAGE NO.: 01084500
D.A. = 55.4 SQ. MI.
NOVEMBER 1980
10.0
8.0
6.0
5.0
4.0
3.0
2.0
1.0
.8
.6
.4
.2
DISCHARGE IN CFS/SQ. MI.
1
5
10
20
50
80
95
99
PERCENT OF TIME FLOW IS EXCEEDED



LOW FLOW FREQUENCY CURVES

BEARDS BROOK NEAR
HILLSBORO, N.H.

GAGE NO. 01084500
D.A. = 55.4 SQ. MI.

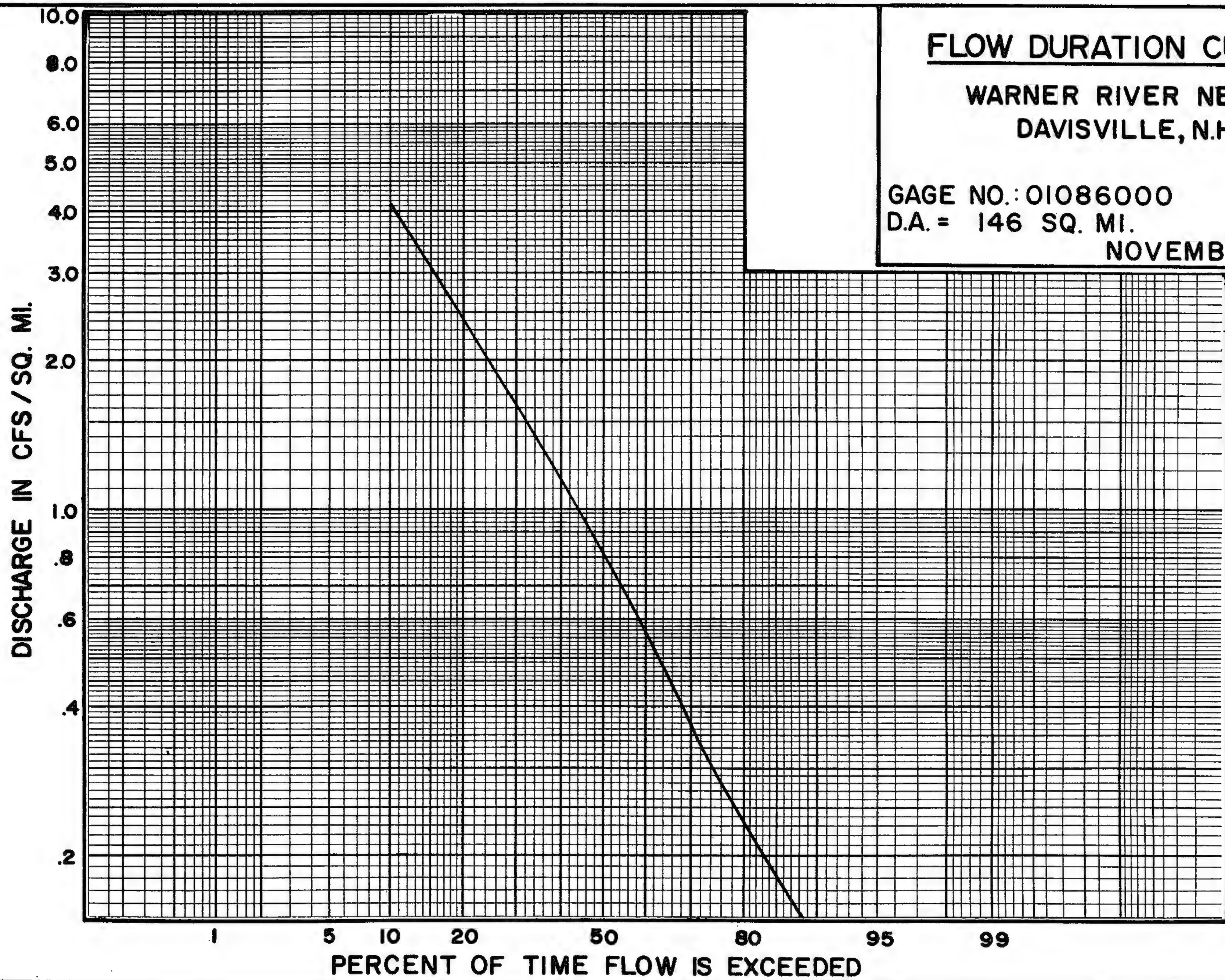
NOVEMBER 1980

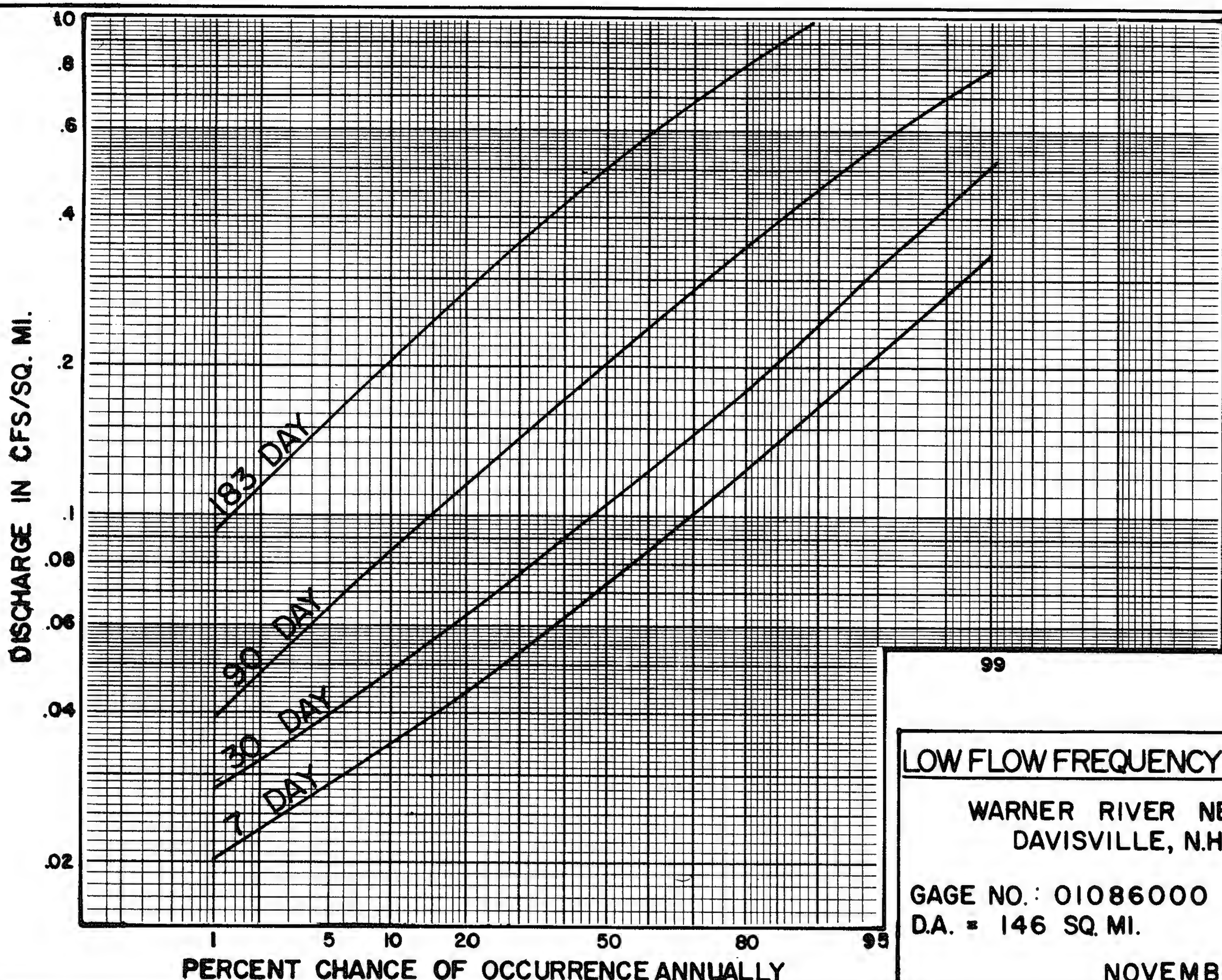
FLOW DURATION CURVE

WARNER RIVER NEAR
DAVISVILLE, N.H.

GAGE NO.: 01086000
D.A. = 146 SQ. MI.

NOVEMBER 1980



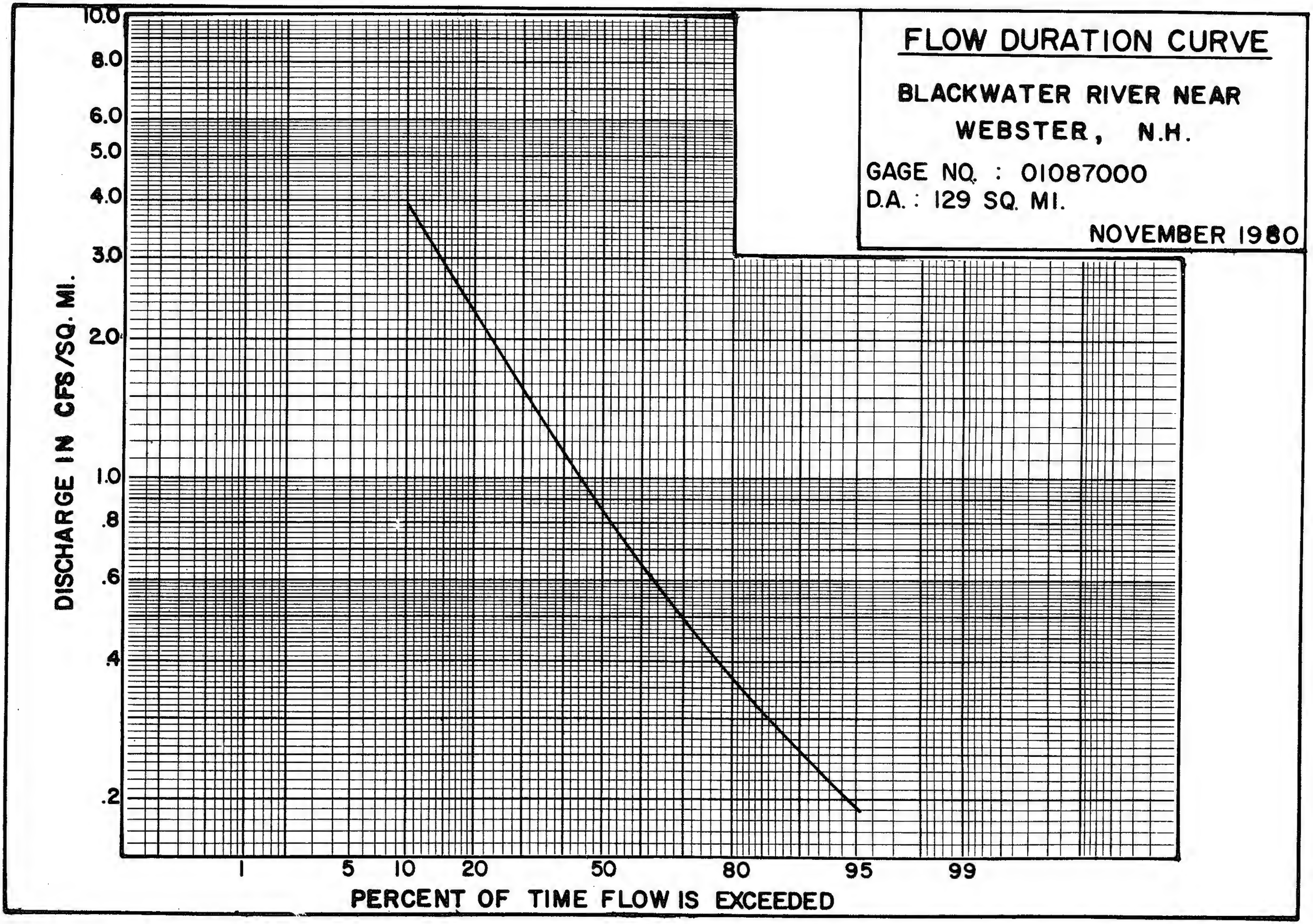


LOW FLOW FREQUENCY CURVES

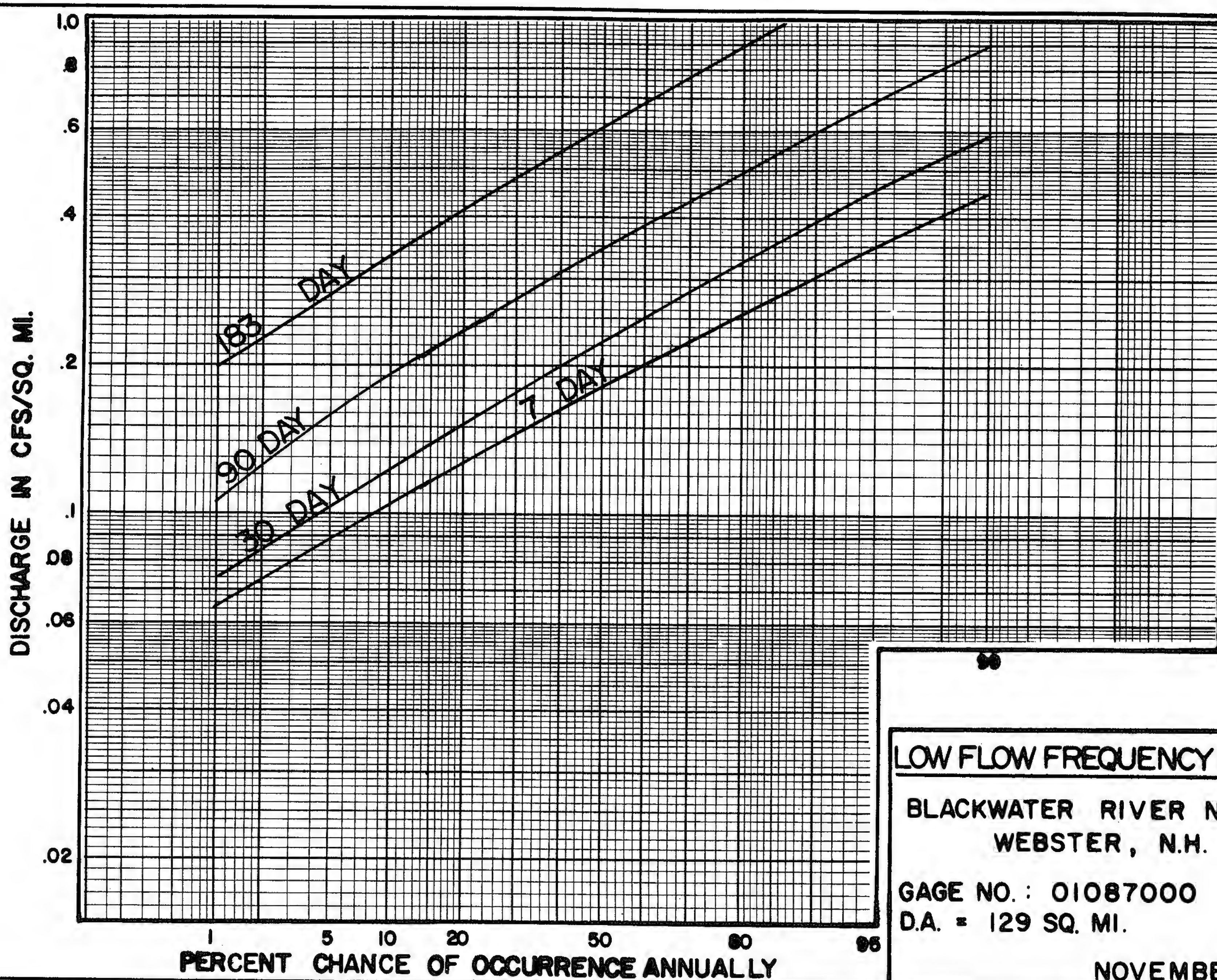
WARNER RIVER NEAR
DAVISVILLE, N.H.

GAGE NO.: 01086000
D.A. = 146 SQ. MI.

NOVEMBER 1980



FLOW DURATION CURVE
BLACKWATER RIVER NEAR
WEBSTER, N.H.
GAGE NO. : 01087000
D.A. : 129 SQ. MI.
NOVEMBER 1980
DISCHARGE IN CFS/SQ. MI.
10.0
8.0
6.0
5.0
4.0
3.0
2.0
1.0
.8
.6
.4
.2
1
5
10
20
50
80
95
99
PERCENT OF TIME FLOW IS EXCEEDED

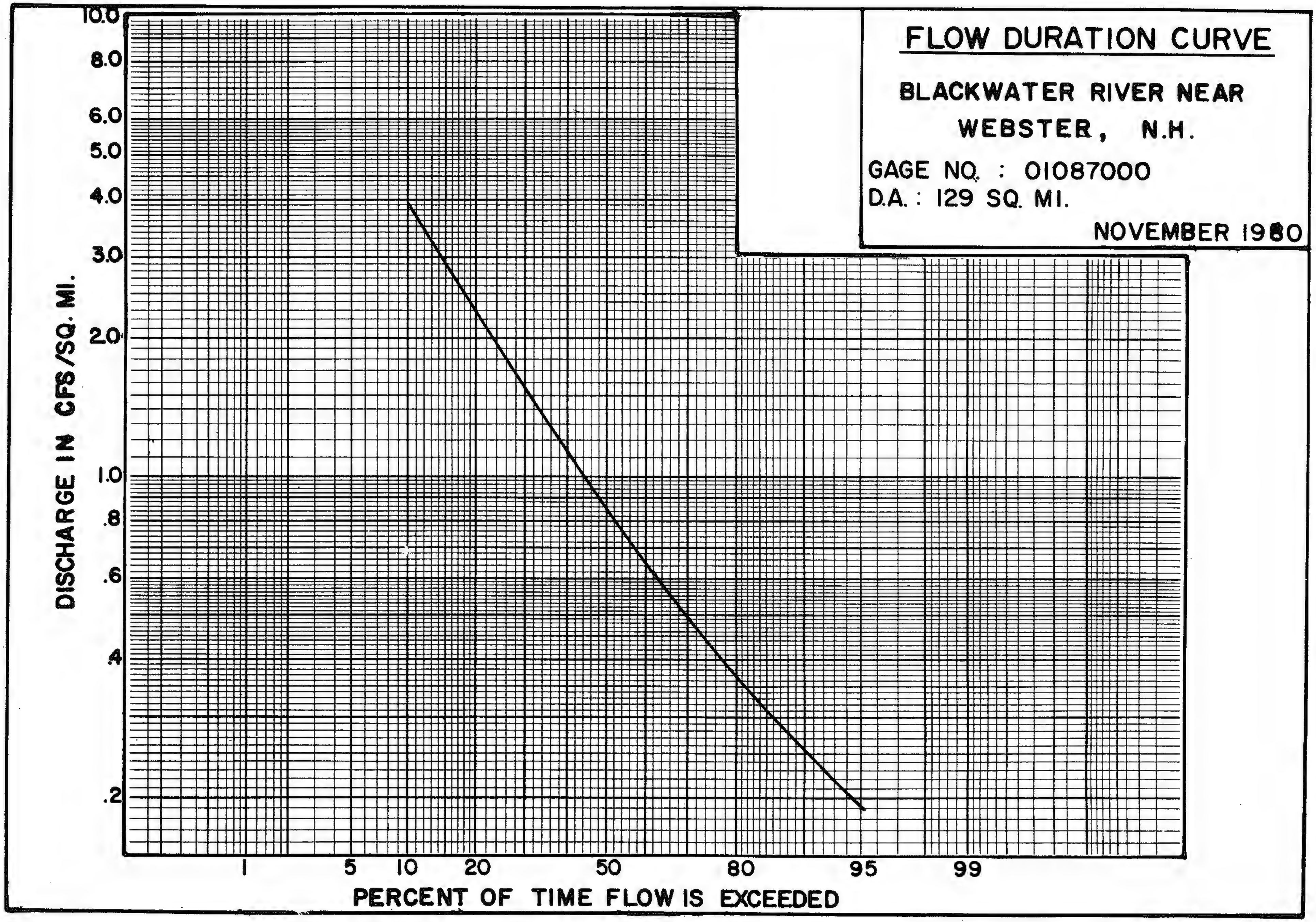


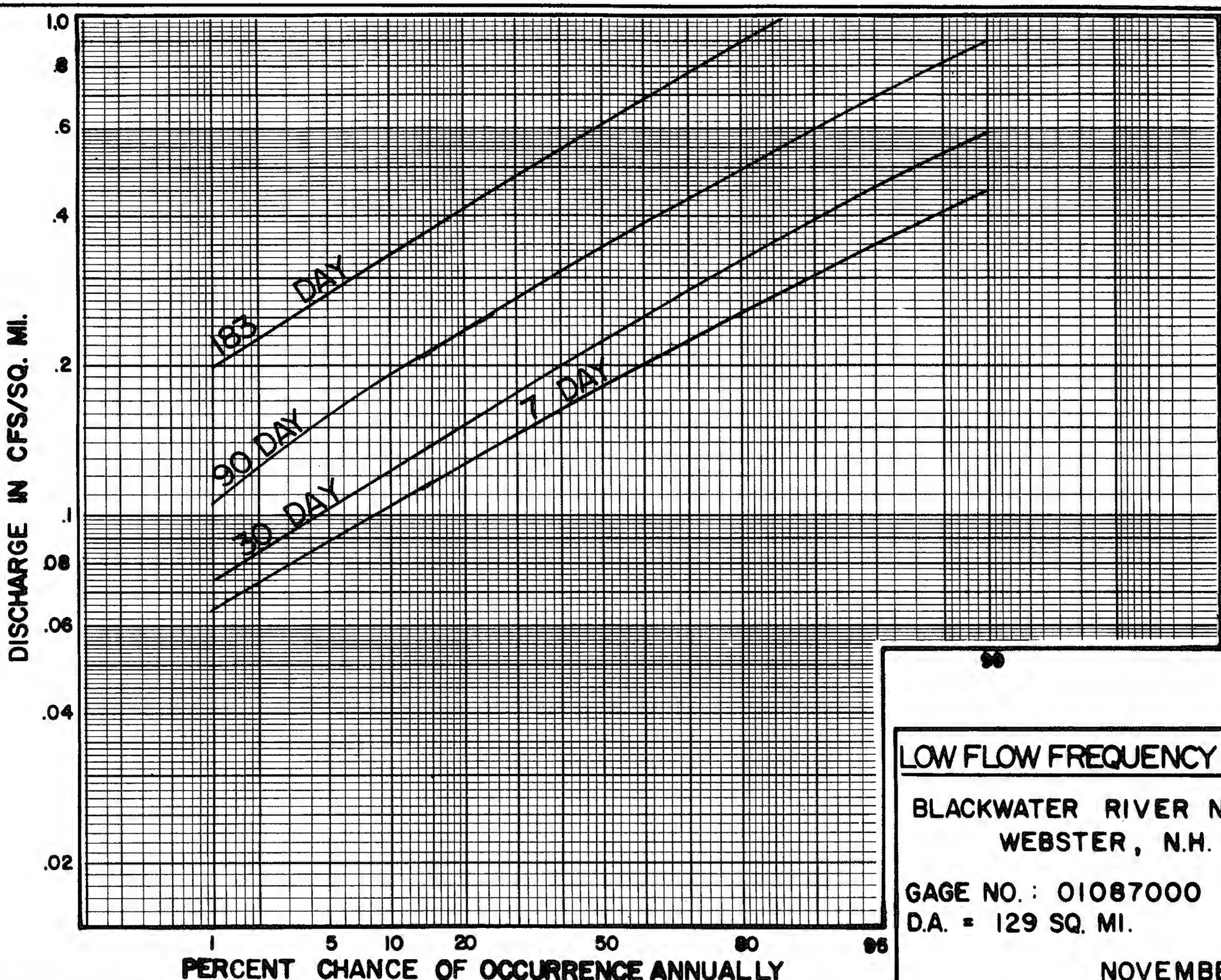
LOW FLOW FREQUENCY CURVES

BLACKWATER RIVER NEAR
WEBSTER, N.H.

GAGE NO.: 01087000
D.A. = 129 SQ. MI.

NOVEMBER 1980


FLOW DURATION CURVE
BLACKWATER RIVER NEAR
WEBSTER, N.H.
GAGE NO. : 01087000
D.A. : 129 SQ. MI.
NOVEMBER 1980
DISCHARGE IN CFS/SQ. MI.
10.0
8.0
6.0
5.0
4.0
3.0
2.0
1.0
.8
.6
.4
.2
1
5
10
20
50
80
95
99
PERCENT OF TIME FLOW IS EXCEEDED



LOW FLOW FREQUENCY CURVES

BLACKWATER RIVER NEAR
WEBSTER, N.H.

GAGE NO.: 01087000
D.A. = 129 SQ. MI.

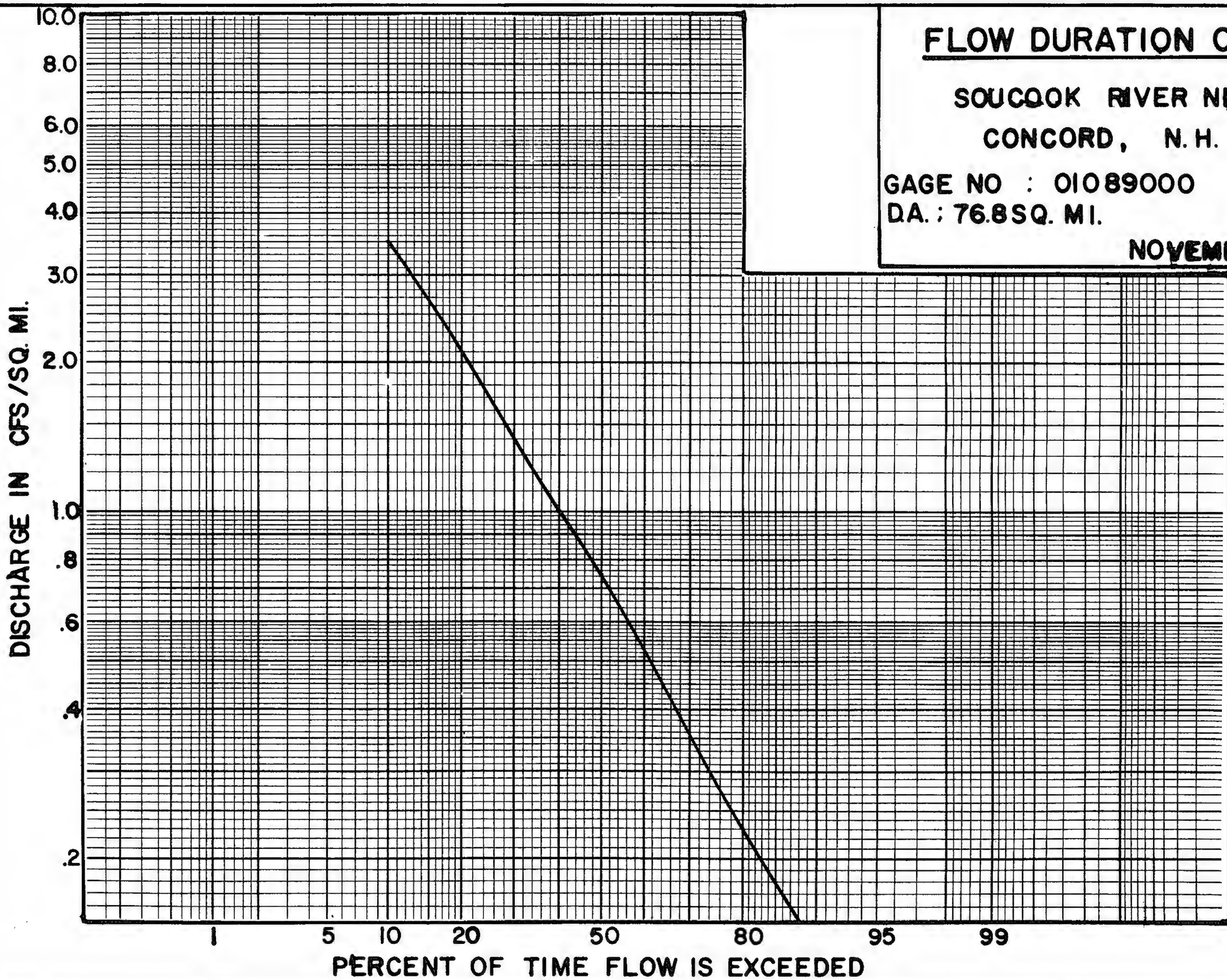
NOVEMBER 1980

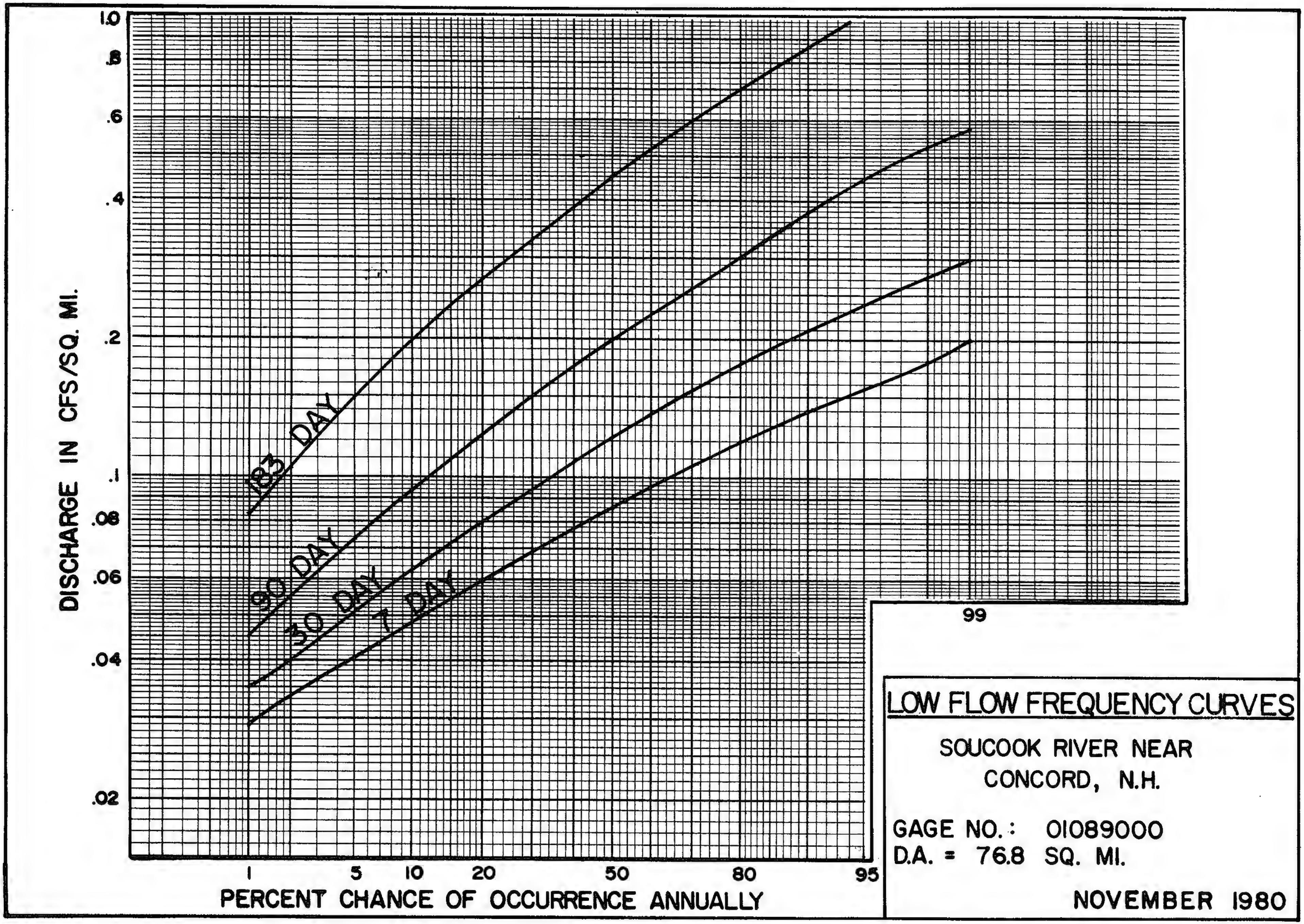
FLOW DURATION CURVE

SOUCOOK RIVER NEAR
CONCORD, N.H.

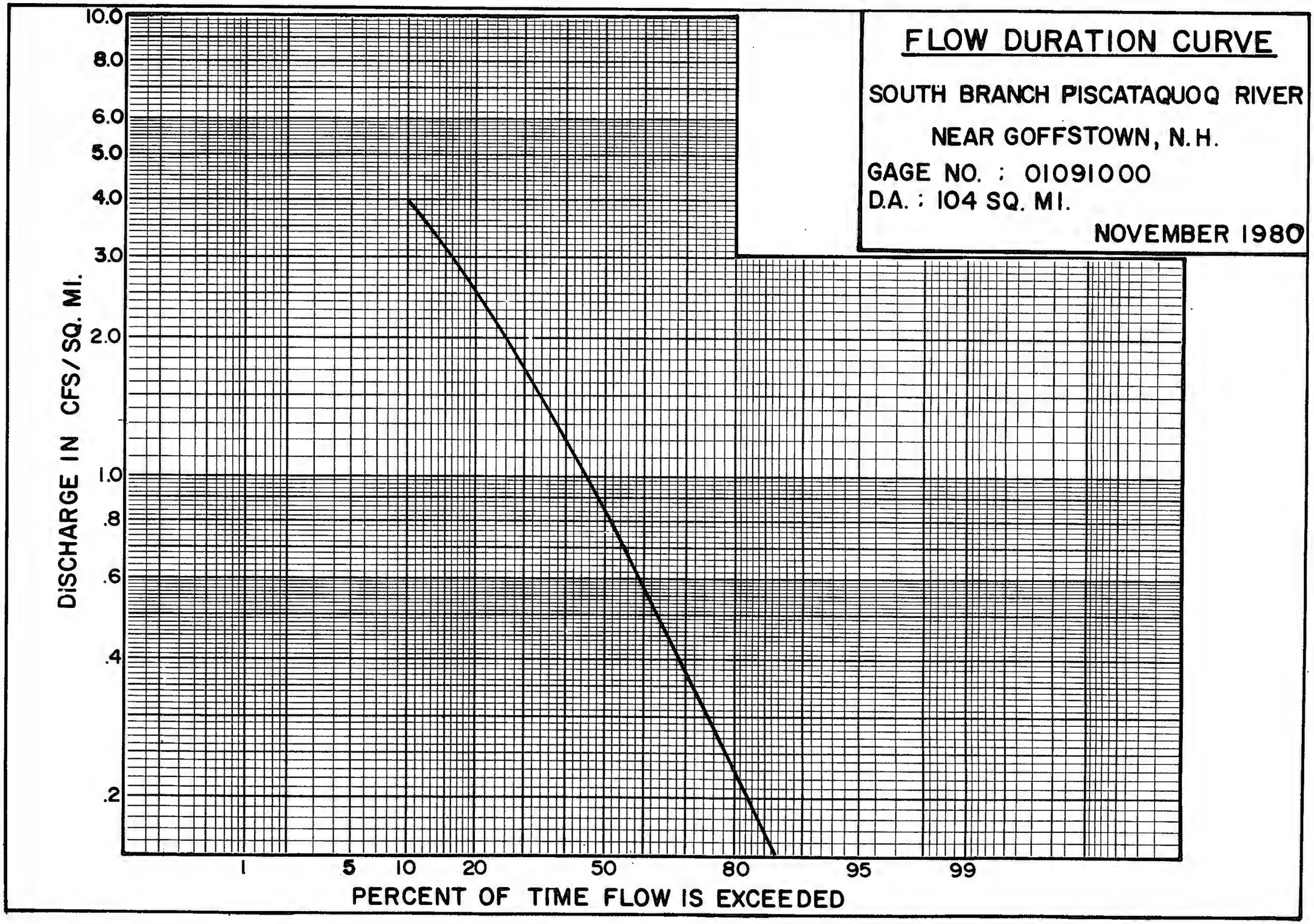
GAGE NO : 01089000
D.A. : 76.8 SQ. MI.

NOVEMBER 1980

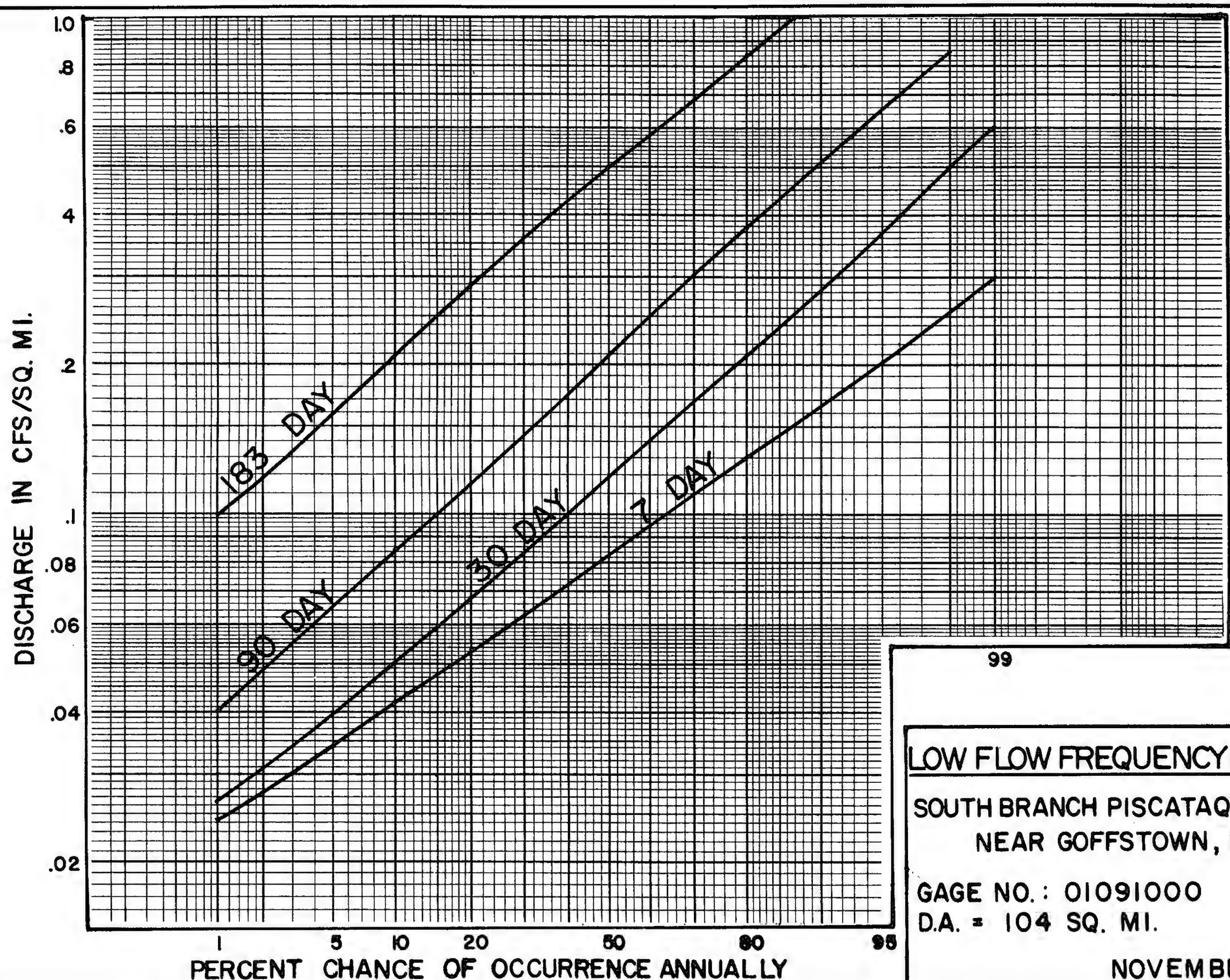




1.0
.8
.6
.4
.2
.1
.08
.06
.04
.02
DISCHARGE IN CFS/SQ. MI.
183 DAY
90 DAY
30 DAY
7 DAY
1
5
10
20
50
80
95
99
PERCENT CHANCE OF OCCURRENCE ANNUALLY
LOW FLOW FREQUENCY CURVES
SOUCOOK RIVER NEAR
CONCORD, N.H.
GAGE NO.: 01089000
D.A. = 76.8 SQ. MI.
NOVEMBER 1980



FLOW DURATION CURVE
SOUTH BRANCH PISCATAQUOQ RIVER
NEAR GOFFSTOWN, N.H.
GAGE NO. : 01091000
D.A. : 104 SQ. MI.
NOVEMBER 1980
DISCHARGE IN CFS/SQ. MI.
10.0
8.0
6.0
5.0
4.0
3.0
2.0
1.0
.8
.6
.4
.2
1
5
10
20
50
80
95
99
PERCENT OF TIME FLOW IS EXCEEDED

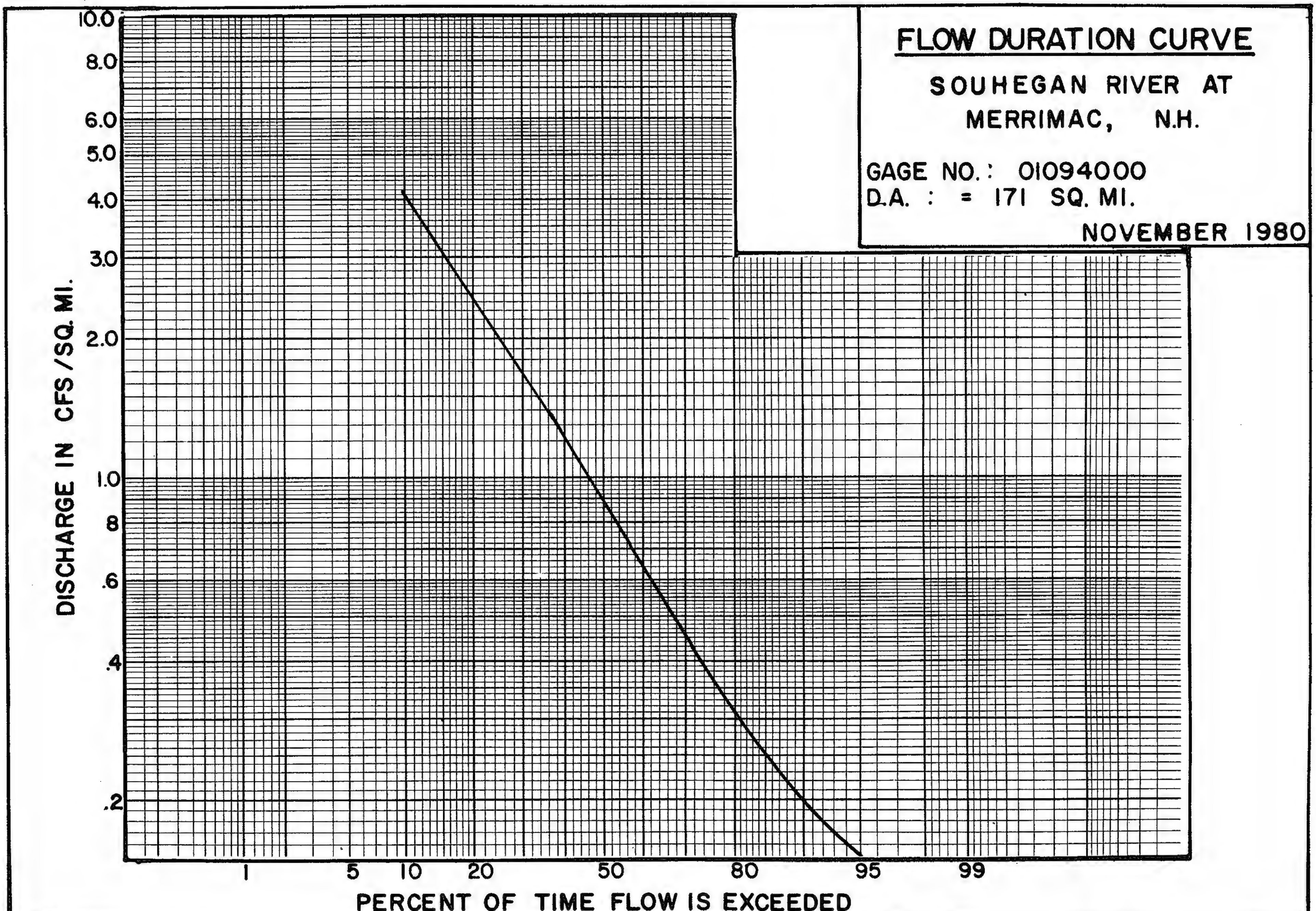


LOW FLOW FREQUENCY CURVES

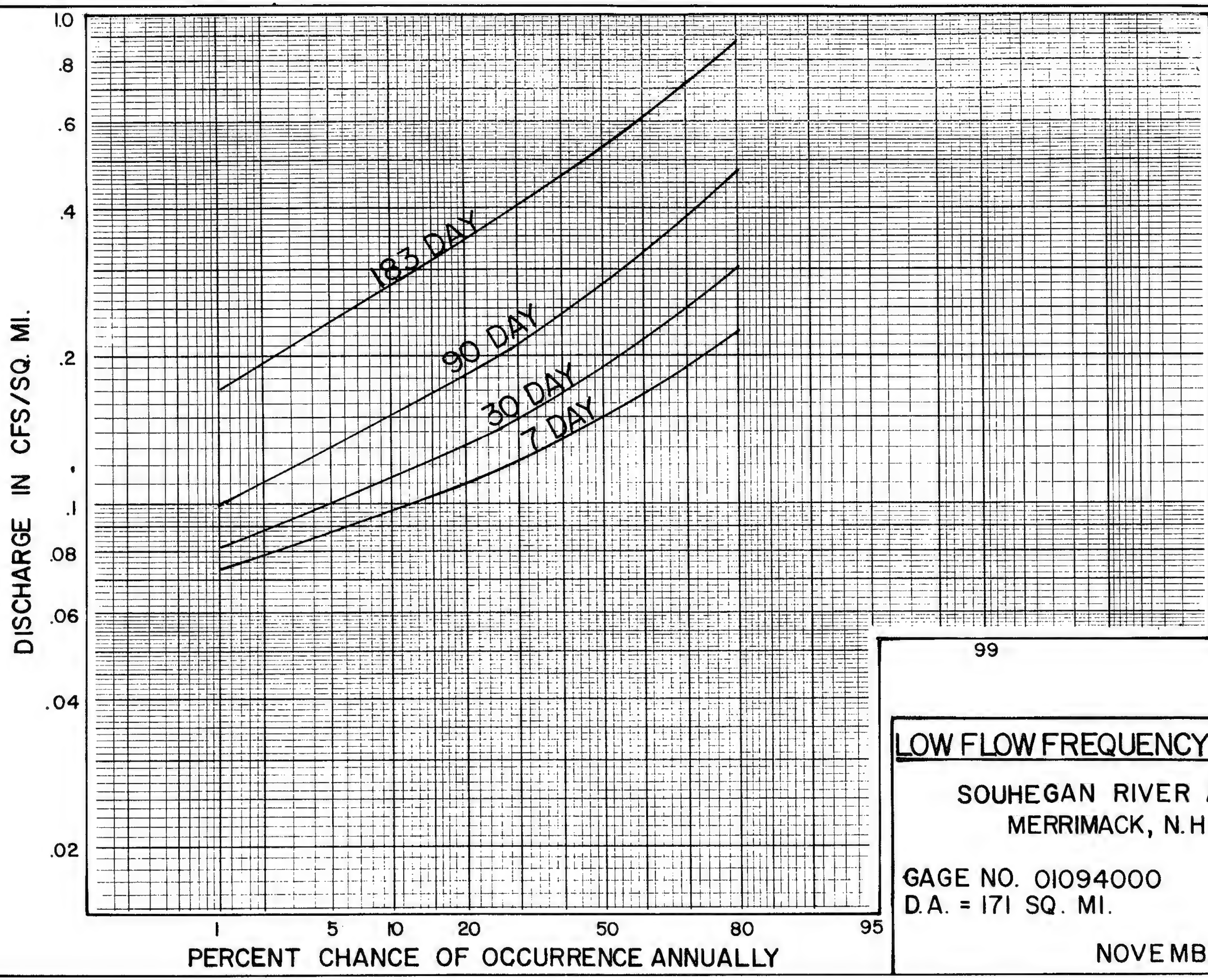
SOUTH BRANCH PISCATAQUOQ RIVER
NEAR GOFFSTOWN, N.H.

GAGE NO.: 01091000
D.A. = 104 SQ. MI.

NOVEMBER 1980



FLOW DURATION CURVE
SOUHEGAN RIVER AT
MERRIMAC, N.H.
GAGE NO.: 01094000
D.A. : = 171 SQ. MI.
NOVEMBER 1980
DISCHARGE IN CFS/SQ. MI.
10.0
8.0
6.0
5.0
4.0
3.0
2.0
1.0
8
.6
.4
.2
PERCENT OF TIME FLOW IS EXCEEDED
1
5
10
20
50
80
95
99

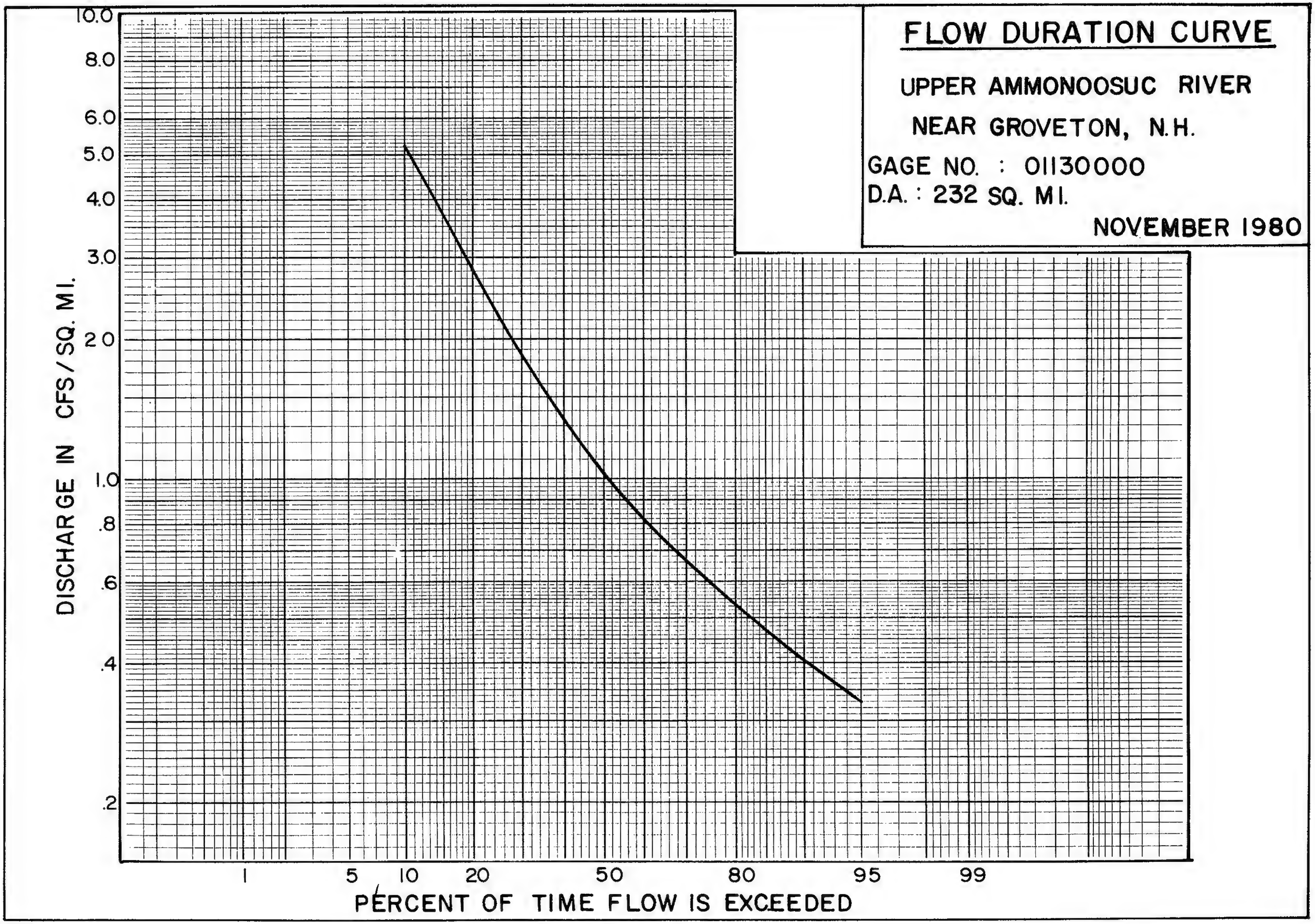


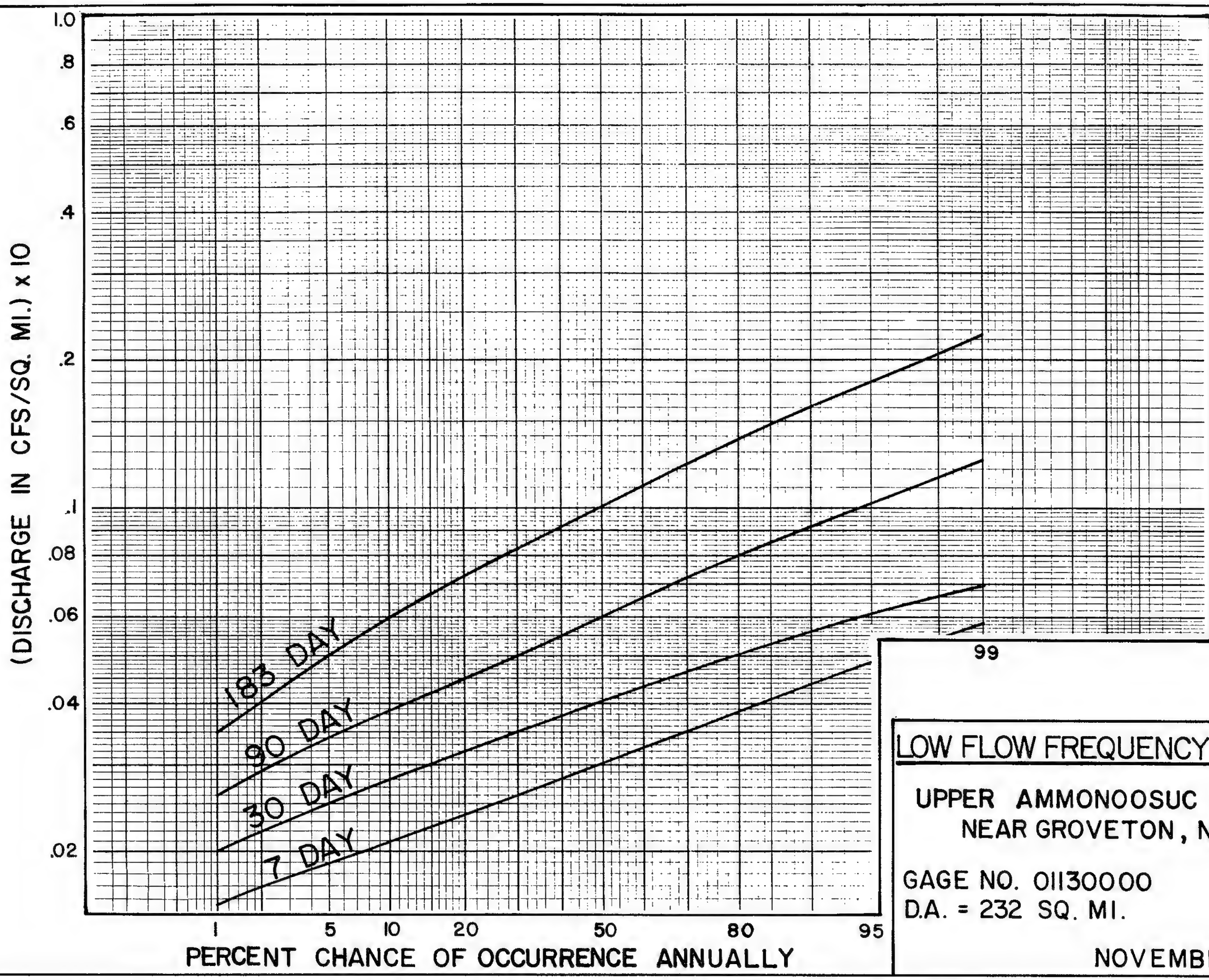
LOW FLOW FREQUENCY CURVES

SOUHEGAN RIVER AT
MERRIMACK, N.H.

GAGE NO. 01094000
D.A. = 171 SQ. MI.

NOVEMBER 1980


FLOW DURATION CURVE
UPPER AMMONOOSUC RIVER
NEAR GROVETON, N.H.
GAGE NO. : 01130000
D.A. : 232 SQ. MI.
NOVEMBER 1980
10.0
8.0
6.0
5.0
4.0
3.0
2.0
1.0
.8
.6
.4
.2
DISCHARGE IN CFS / SQ. MI.
1
5
10
20
50
80
95
99
PERCENT OF TIME FLOW IS EXCEEDED



LOW FLOW FREQUENCY CURVES

UPPER AMMONOOSUC RIVER
NEAR GROVETON, N.H.

GAGE NO. 01130000
D.A. = 232 SQ. MI.

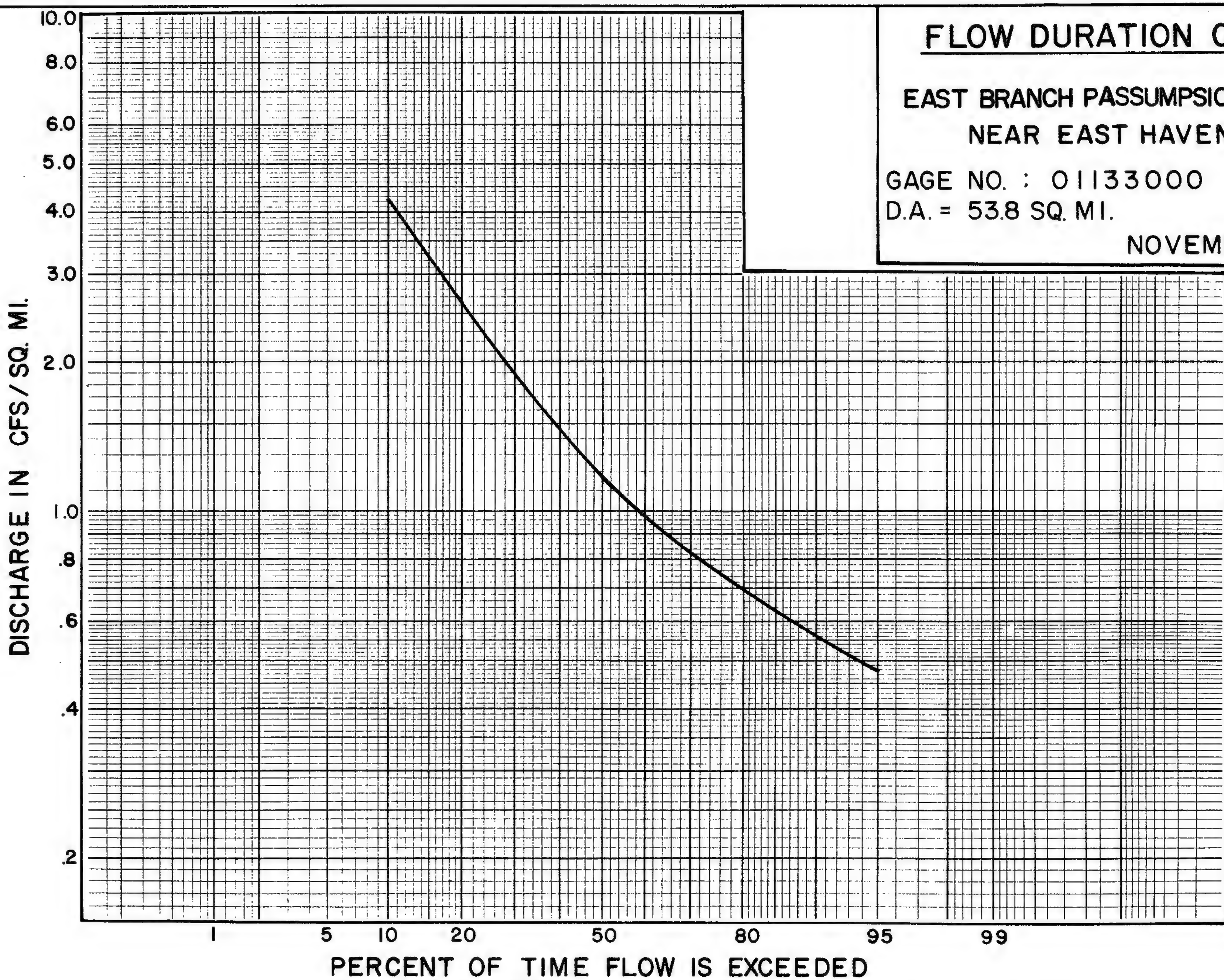
NOVEMBER 1980

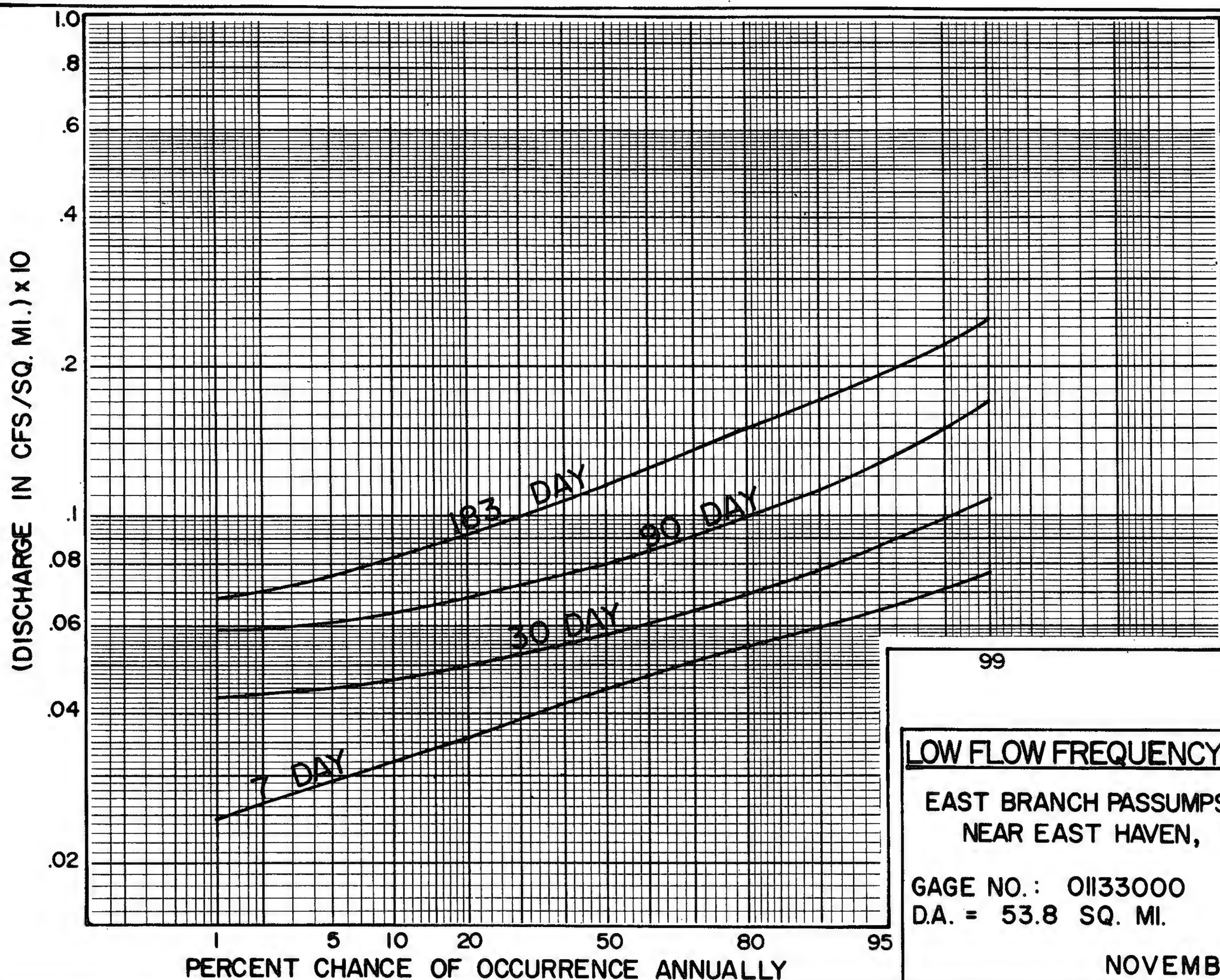
FLOW DURATION CURVE

EAST BRANCH PASSUMPSIC RIVER
NEAR EAST HAVEN, VT.

GAGE NO. : 01133000
D.A. = 53.8 SQ. MI.

NOVEMBER 1980





LOW FLOW FREQUENCY CURVES

EAST BRANCH PASSUMPSIC RIVER
NEAR EAST HAVEN, VT.

GAGE NO.: 01133000
D.A. = 53.8 SQ. MI.

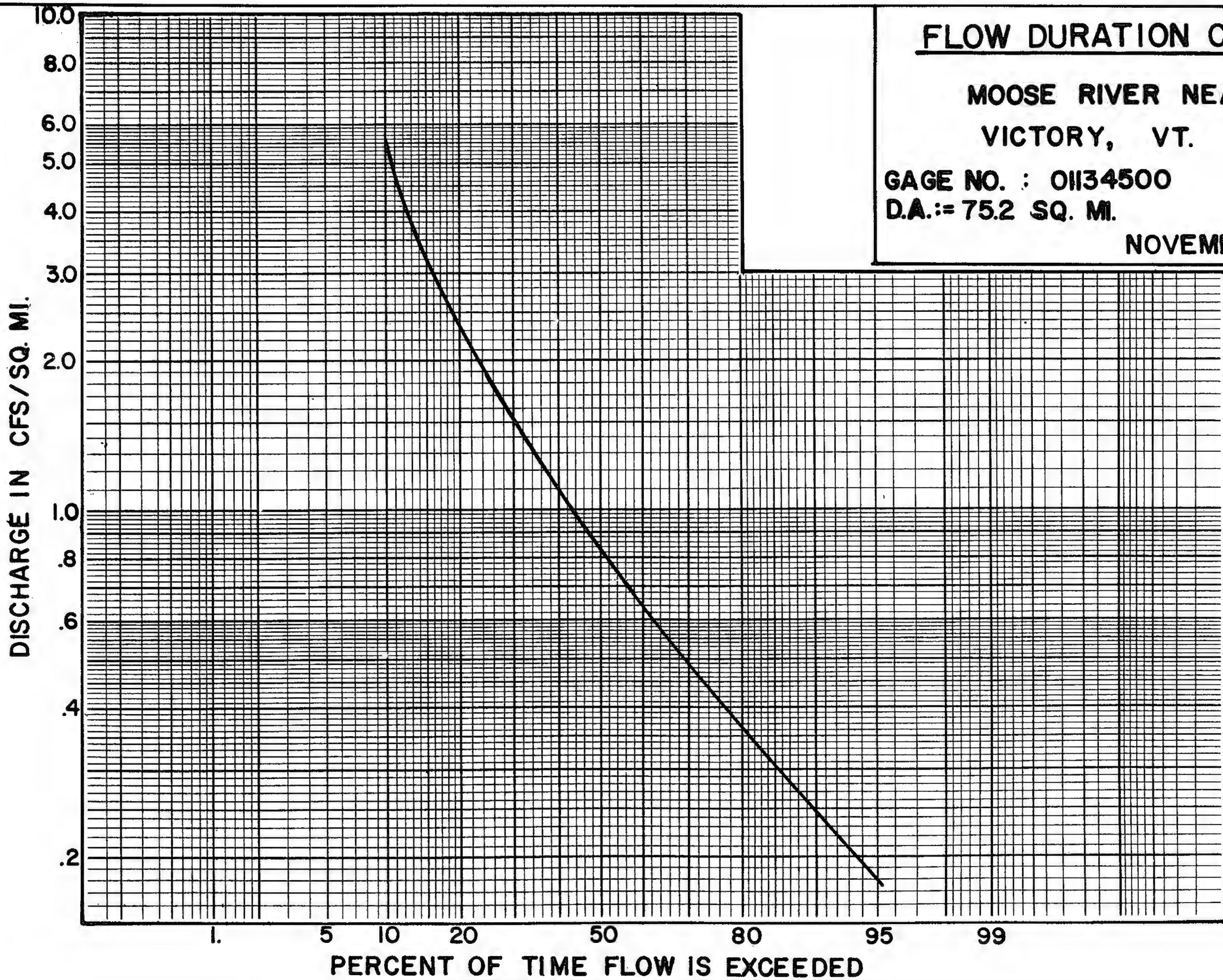
NOVEMBER 1980

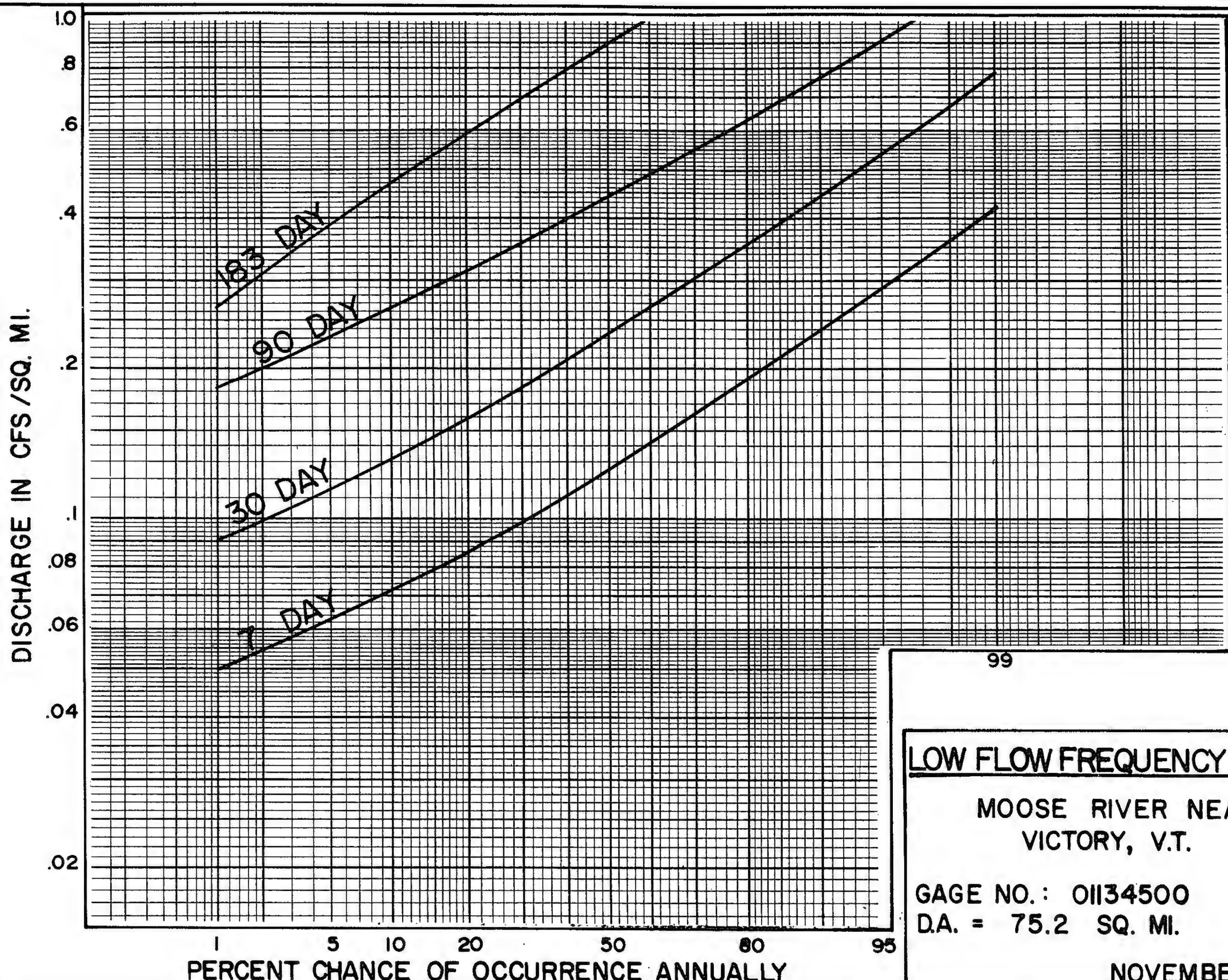
FLOW DURATION CURVE

MOOSE RIVER NEAR
VICTORY, VT.

GAGE NO. : 01134500
D.A. := 75.2 SQ. MI.

NOVEMBER 1980



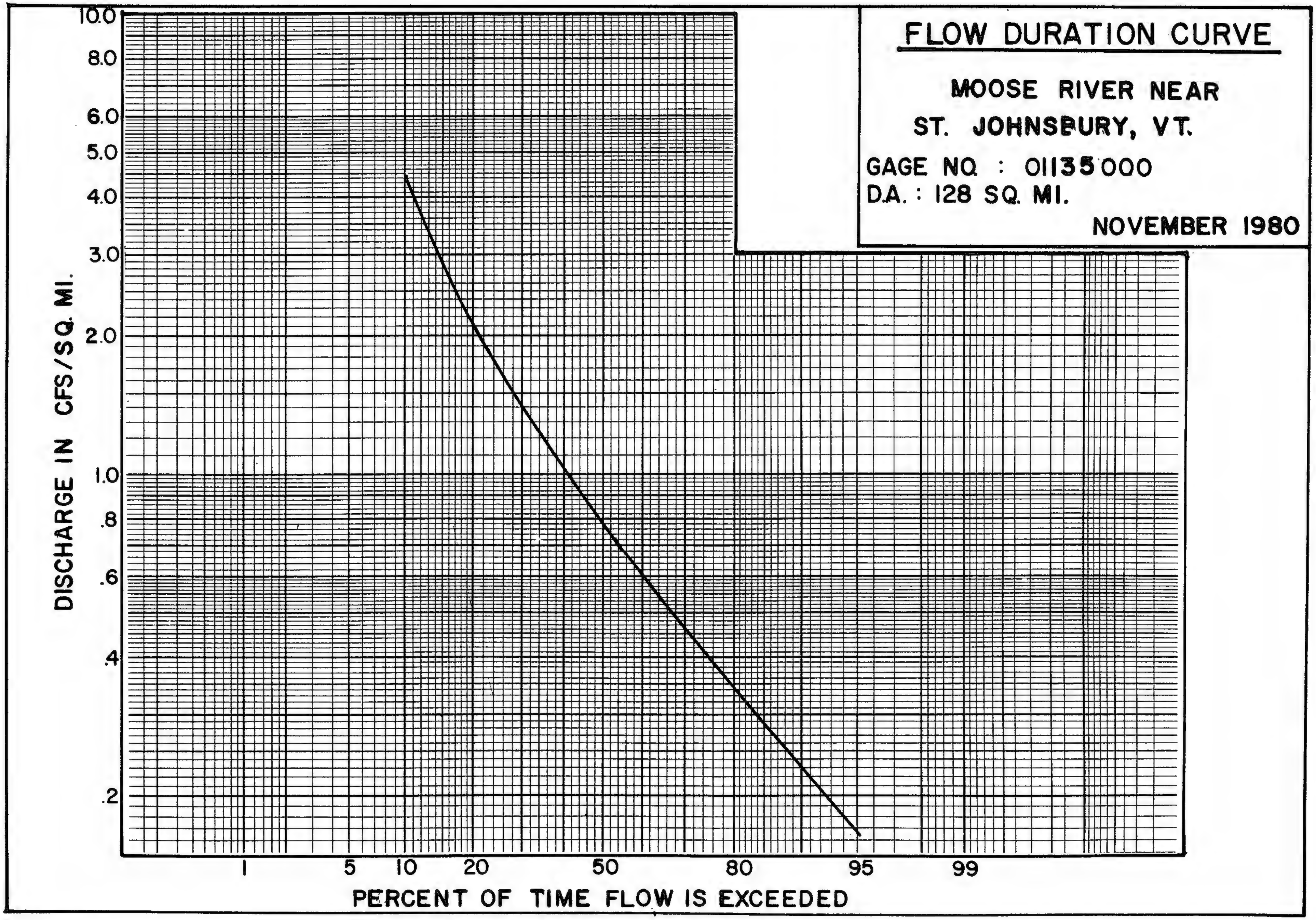


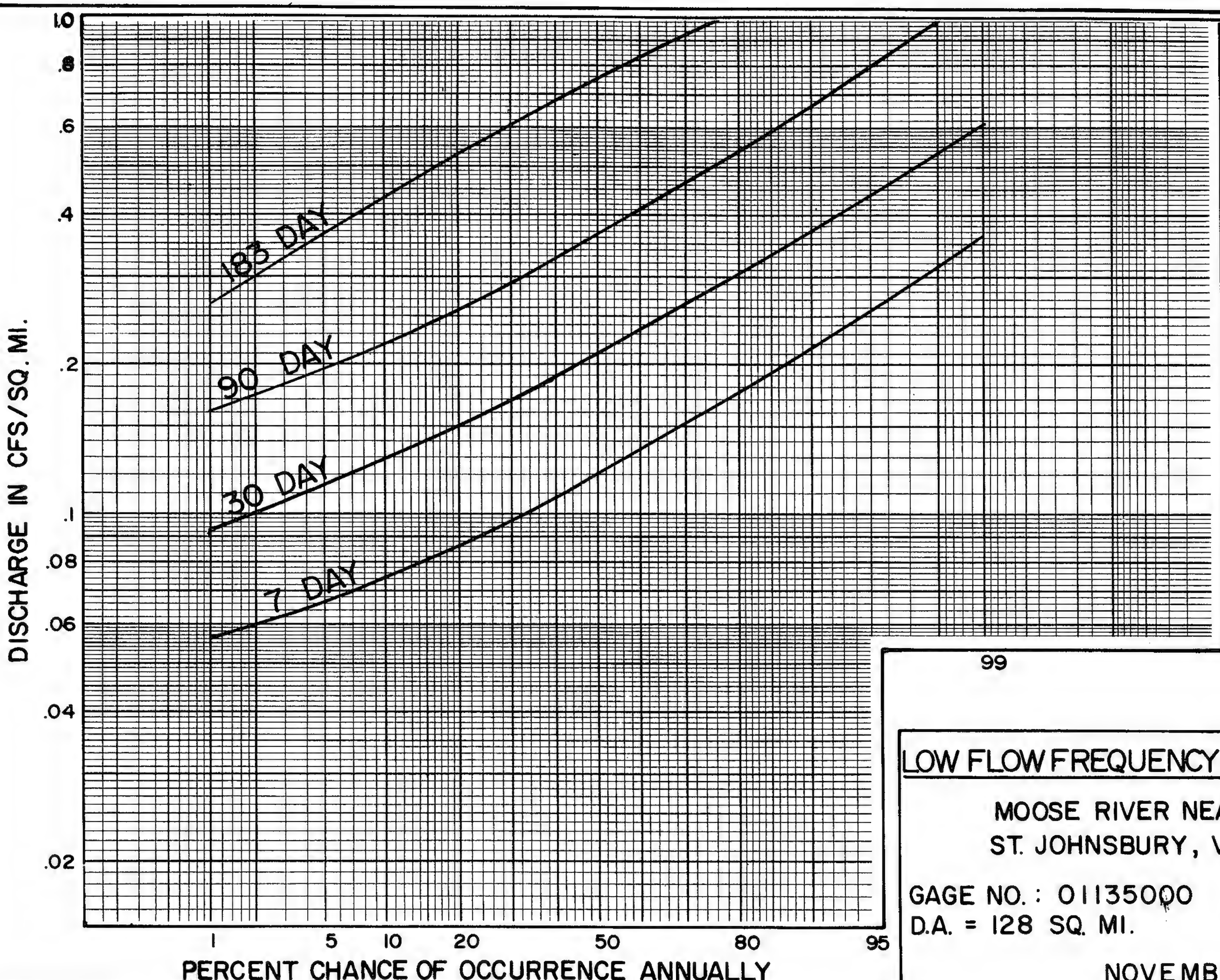
LOW FLOW FREQUENCY CURVES

MOOSE RIVER NEAR
VICTORY, V.T.

GAGE NO.: 01134500
D.A. = 75.2 SQ. MI.

NOVEMBER 1980


FLOW DURATION CURVE
MOOSE RIVER NEAR
ST. JOHNSBURY, VT.
GAGE NO. : 01135000
D.A. : 128 SQ. MI.
NOVEMBER 1980
DISCHARGE IN CFS/SQ. MI.
10.0
8.0
6.0
5.0
4.0
3.0
2.0
1.0
.8
.6
.4
.2
1
5
10
20
50
80
95
99
PERCENT OF TIME FLOW IS EXCEEDED

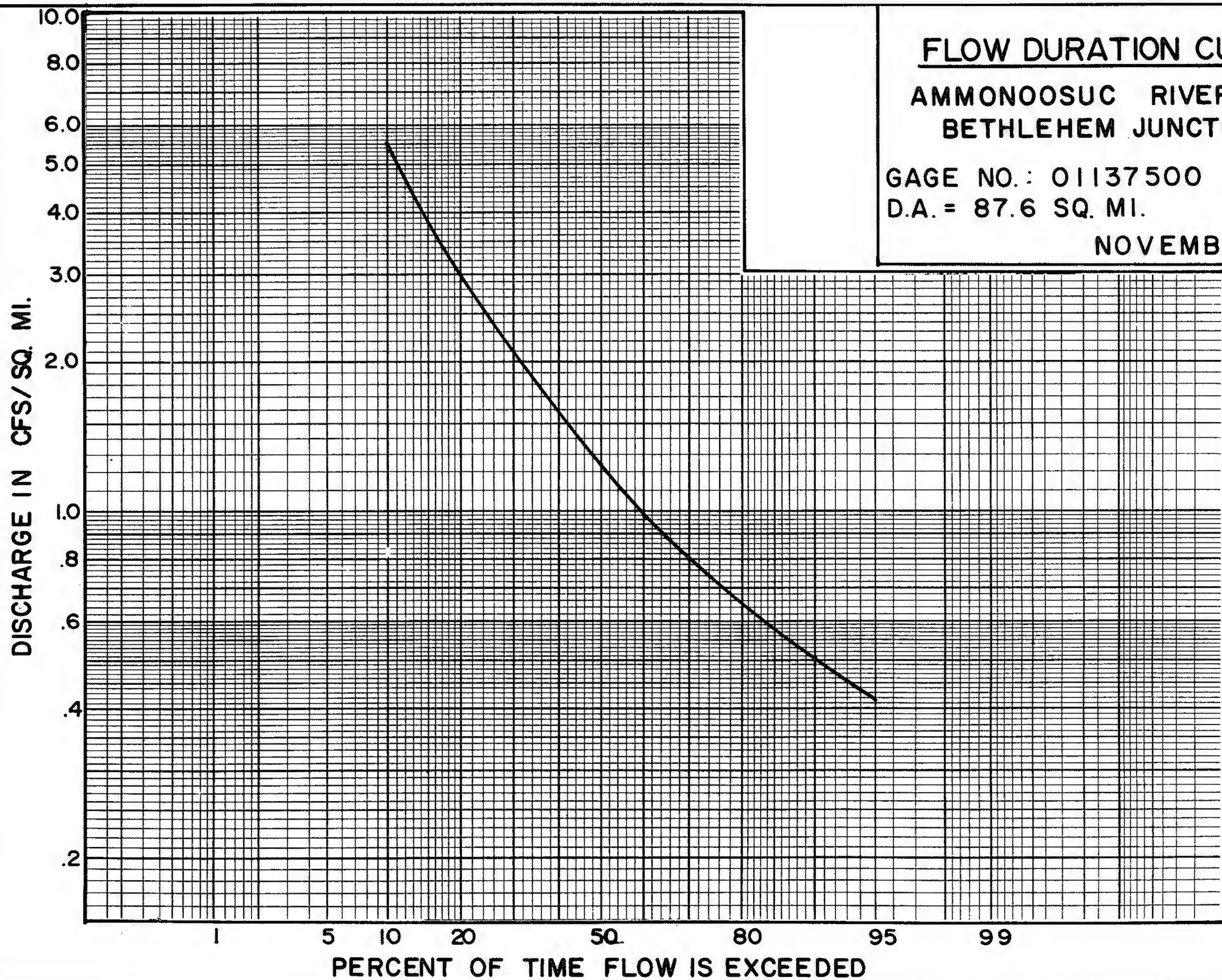


LOW FLOW FREQUENCY CURVES

MOOSE RIVER NEAR
ST. JOHNSBURY, VT.

GAGE NO.: 01135000
D.A. = 128 SQ. MI.

NOVEMBER 1980

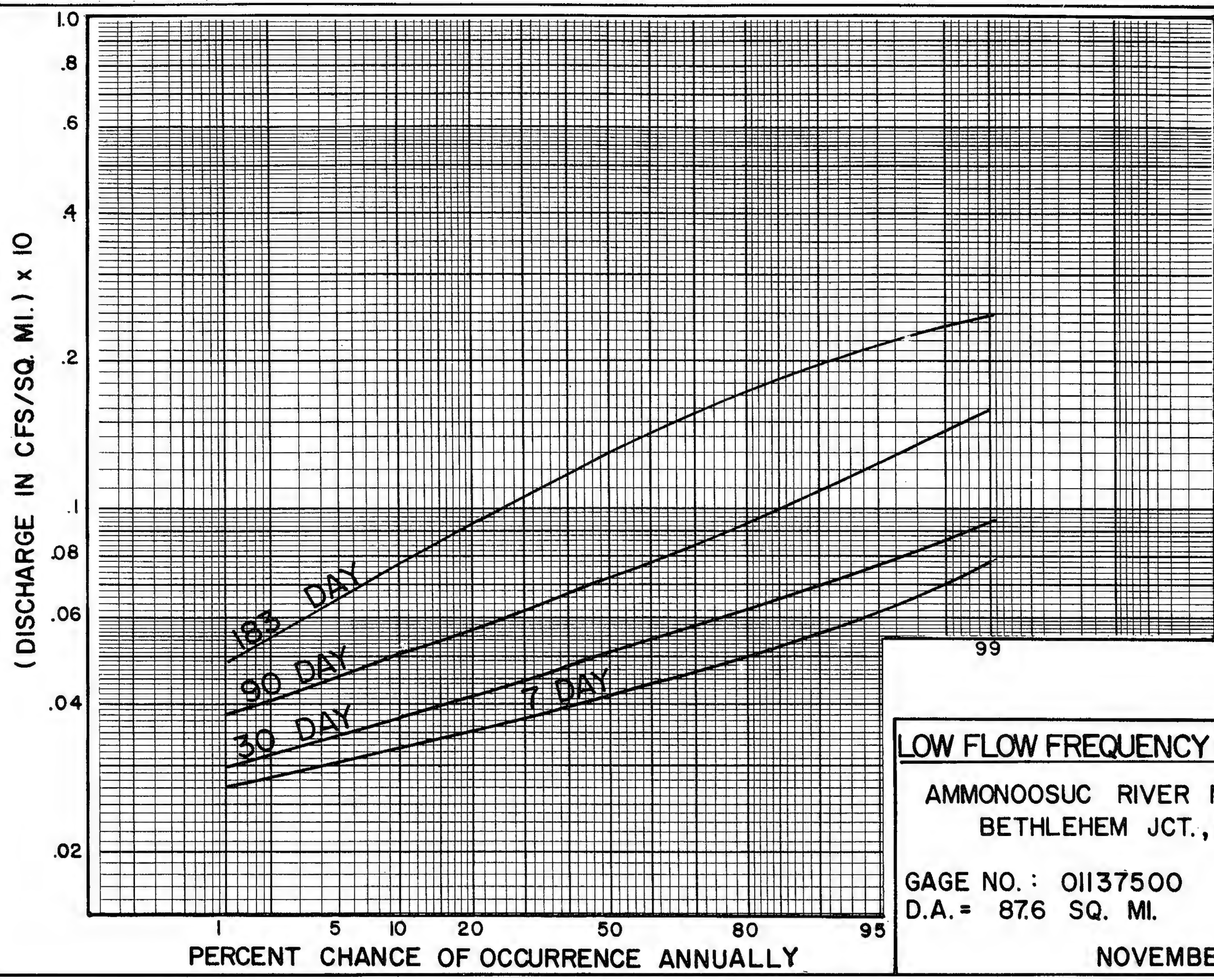


FLOW DURATION CURVE

AMMONOOSUC RIVER NEAR
BETHLEHEM JUNCTION, N.H.

GAGE NO.: 01137500
D.A. = 87.6 SQ. MI.

NOVEMBER 1980



LOW FLOW FREQUENCY CURVES

AMMONOOSUC RIVER NEAR
BETHLEHEM JCT., N.H.

GAGE NO. : 01137500
D.A. = 87.6 SQ. MI.

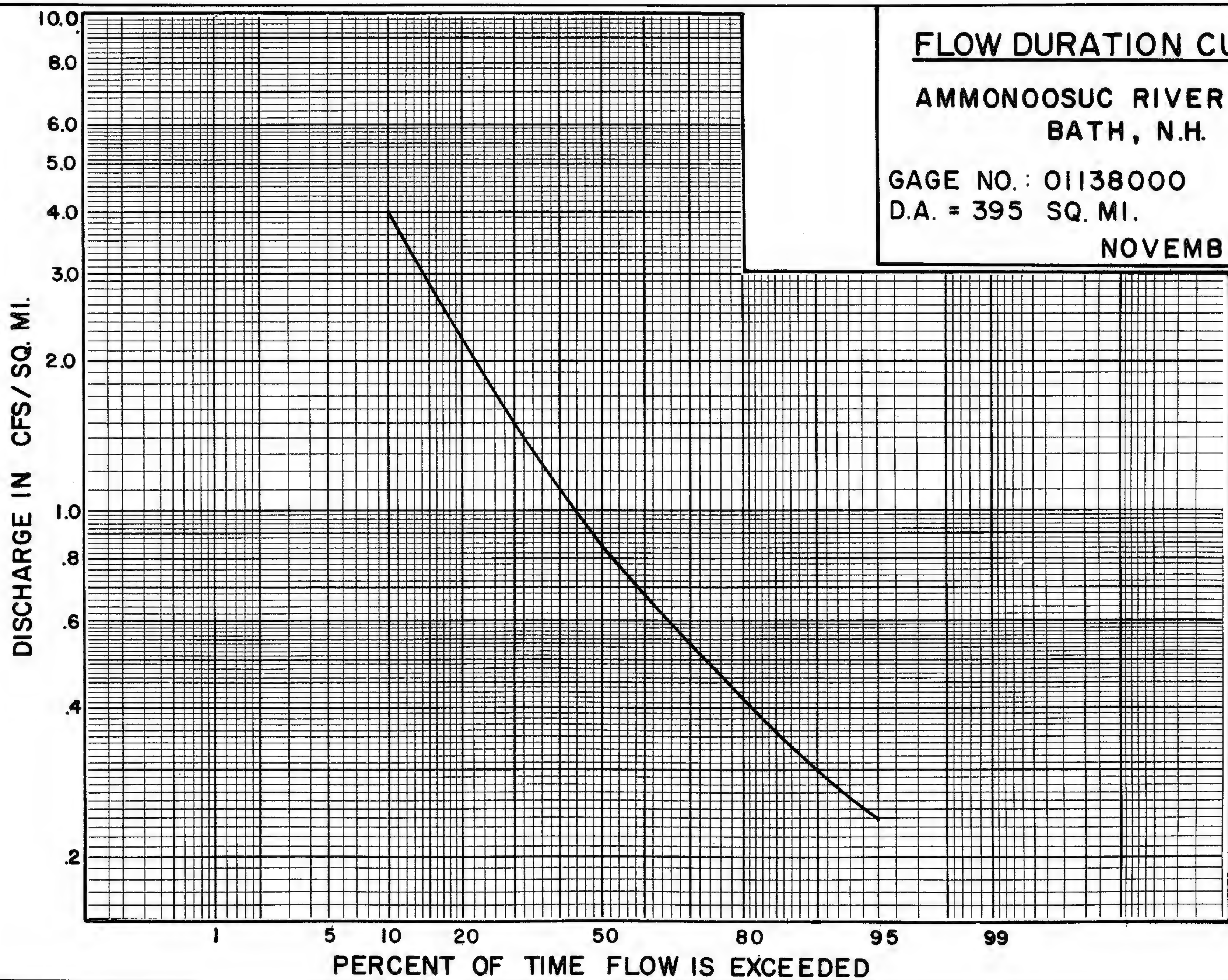
NOVEMBER 1980

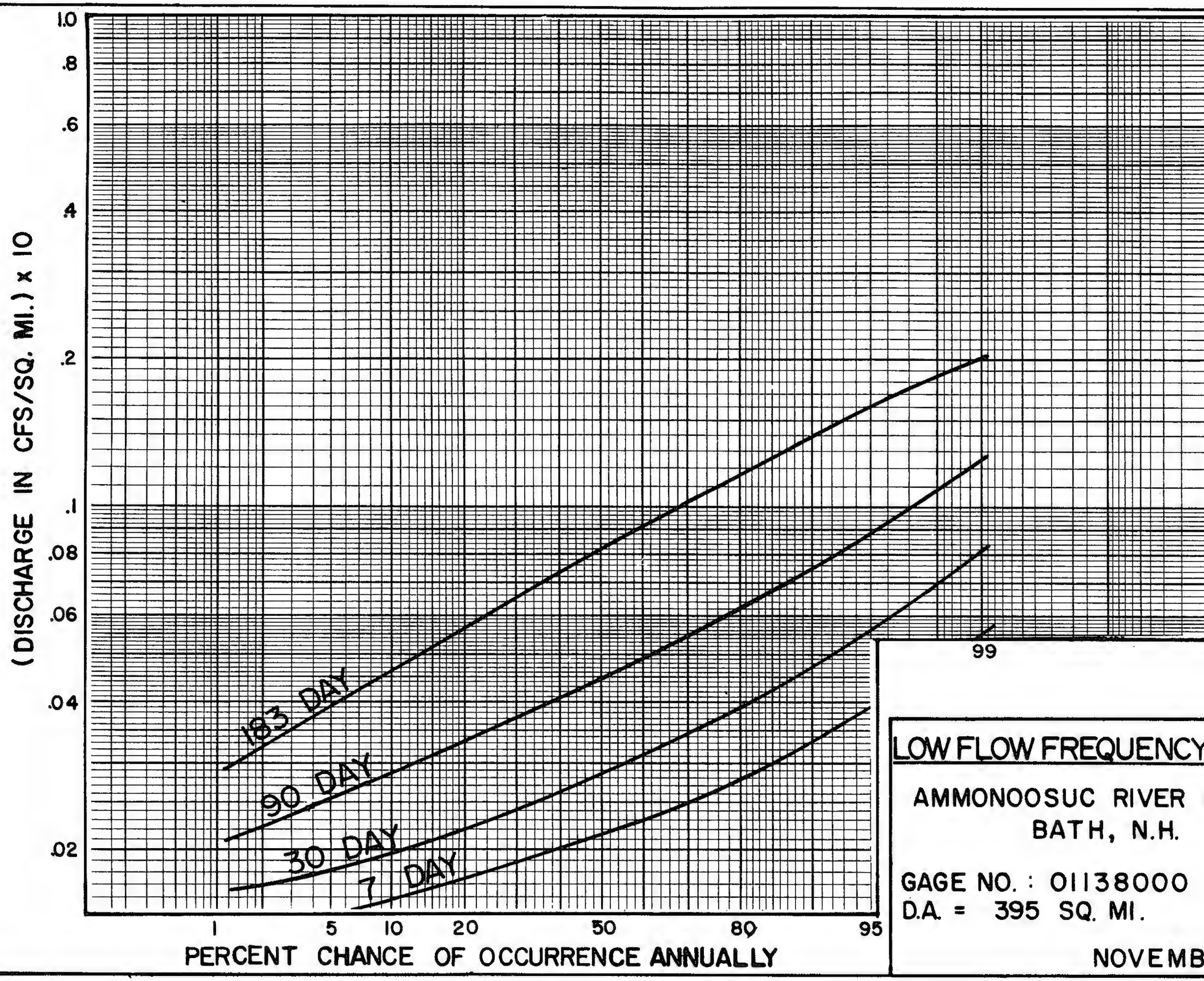
FLOW DURATION CURVE

AMMONOOSUC RIVER NEAR
BATH, N.H.

GAGE NO.: 01138000
D.A. = 395 SQ. MI.

NOVEMBER 1980





LOW FLOW FREQUENCY CURVES

AMMONOOSUC RIVER NEAR
BATH, N.H.

GAGE NO. : 01138000
D.A. = 395 SQ. MI.

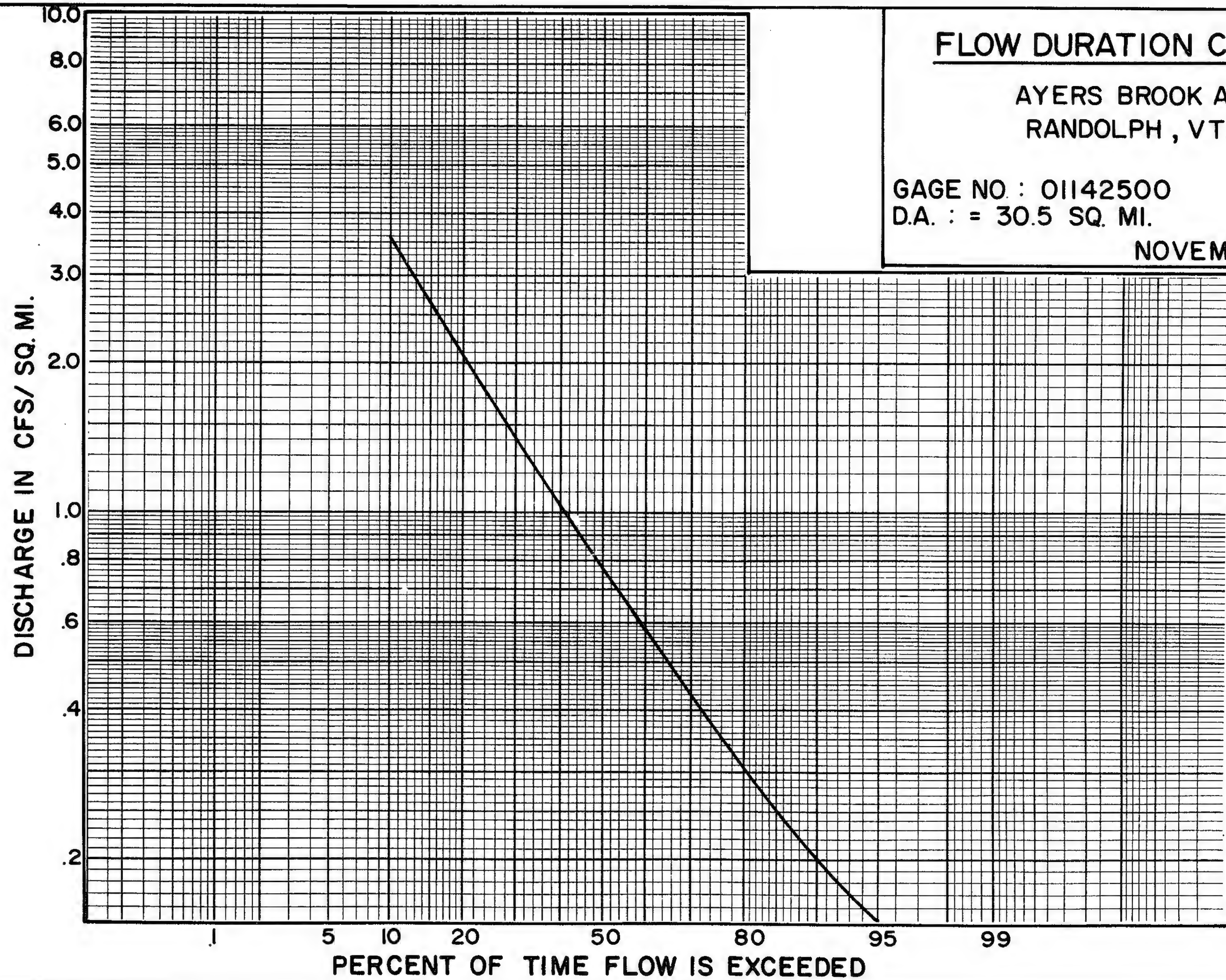
NOVEMBER 1980

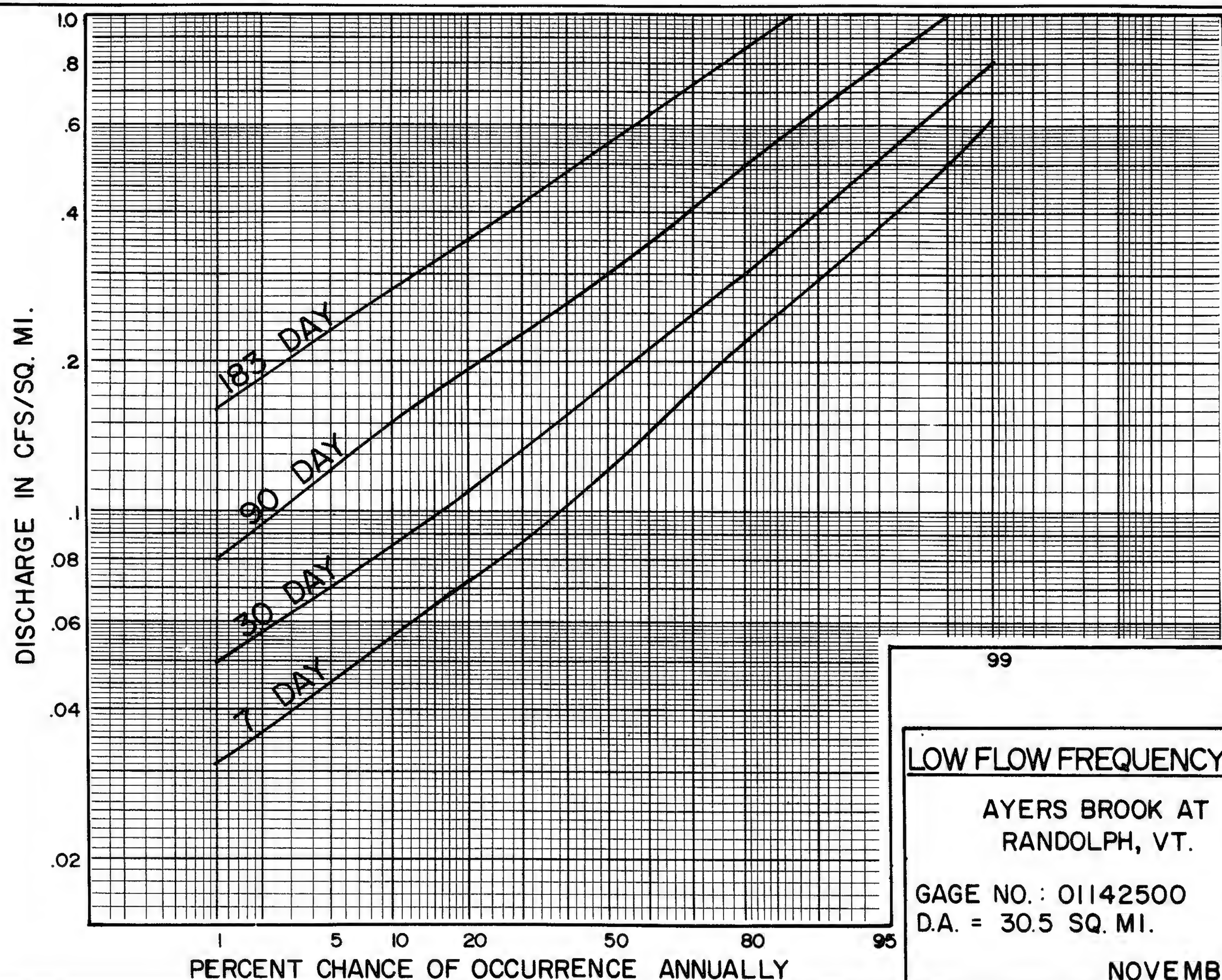
FLOW DURATION CURVE

AYERS BROOK AT
RANDOLPH , VT.

GAGE NO. : 01142500
D.A. : = 30.5 SQ. MI.

NOVEMBER 1980





LOW FLOW FREQUENCY CURVES

AYERS BROOK AT
RANDOLPH, VT.

GAGE NO.: 01142500
D.A. = 30.5 SQ. MI.

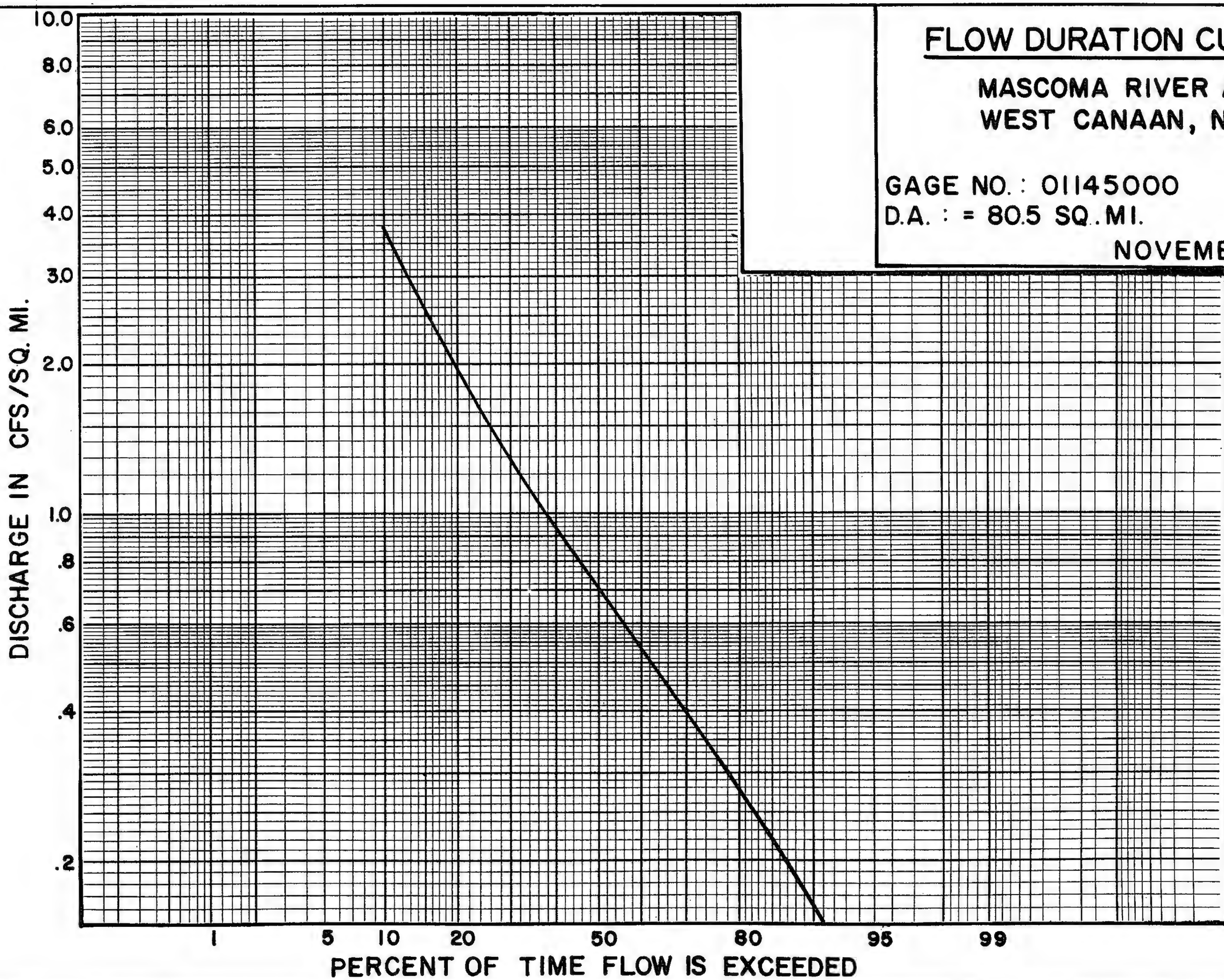
NOVEMBER 1980

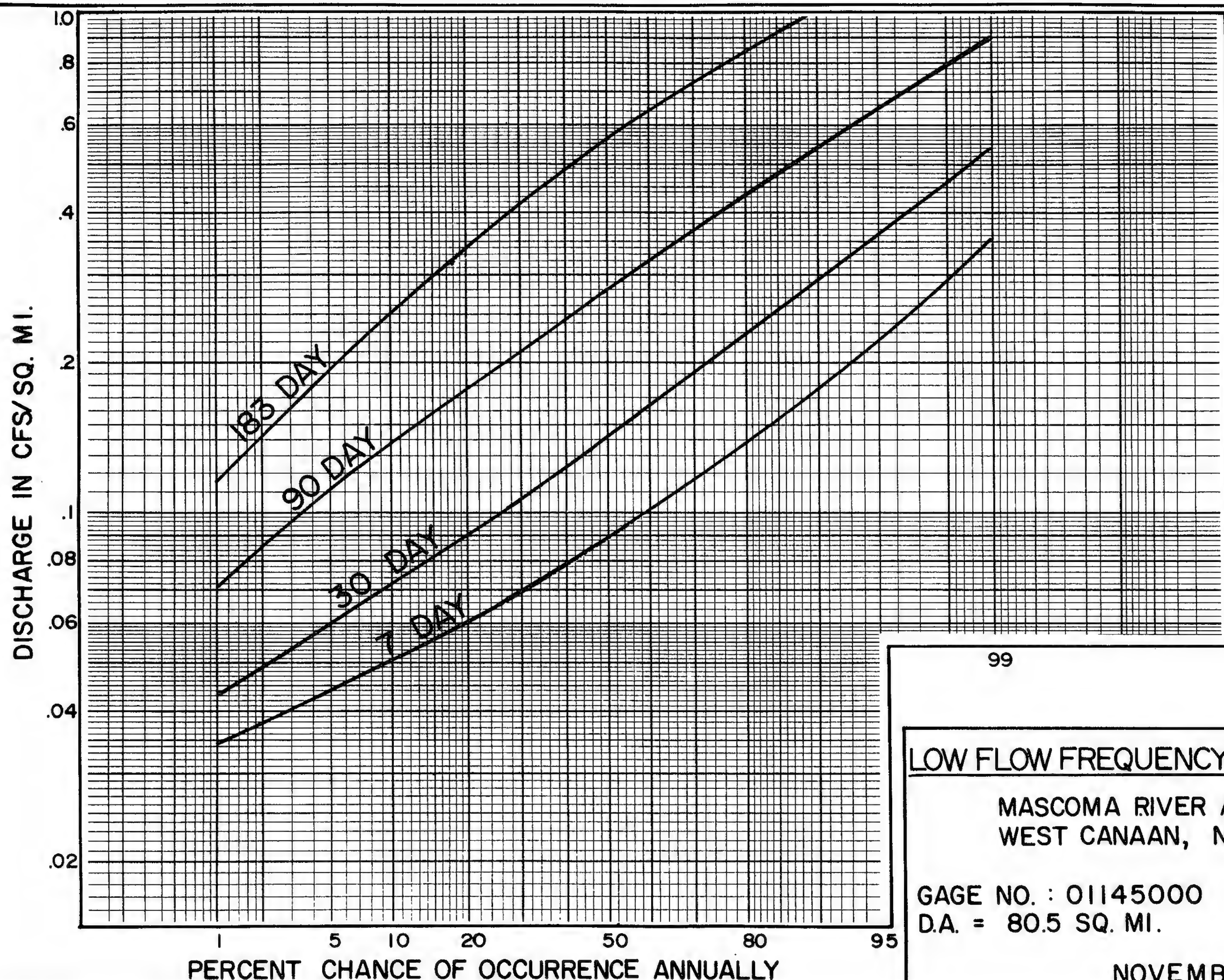
FLOW DURATION CURVE

MASCOMA RIVER AT
WEST CANAAN, N.H.

GAGE NO. : 01145000
D.A. : = 80.5 SQ. MI.

NOVEMBER 1980



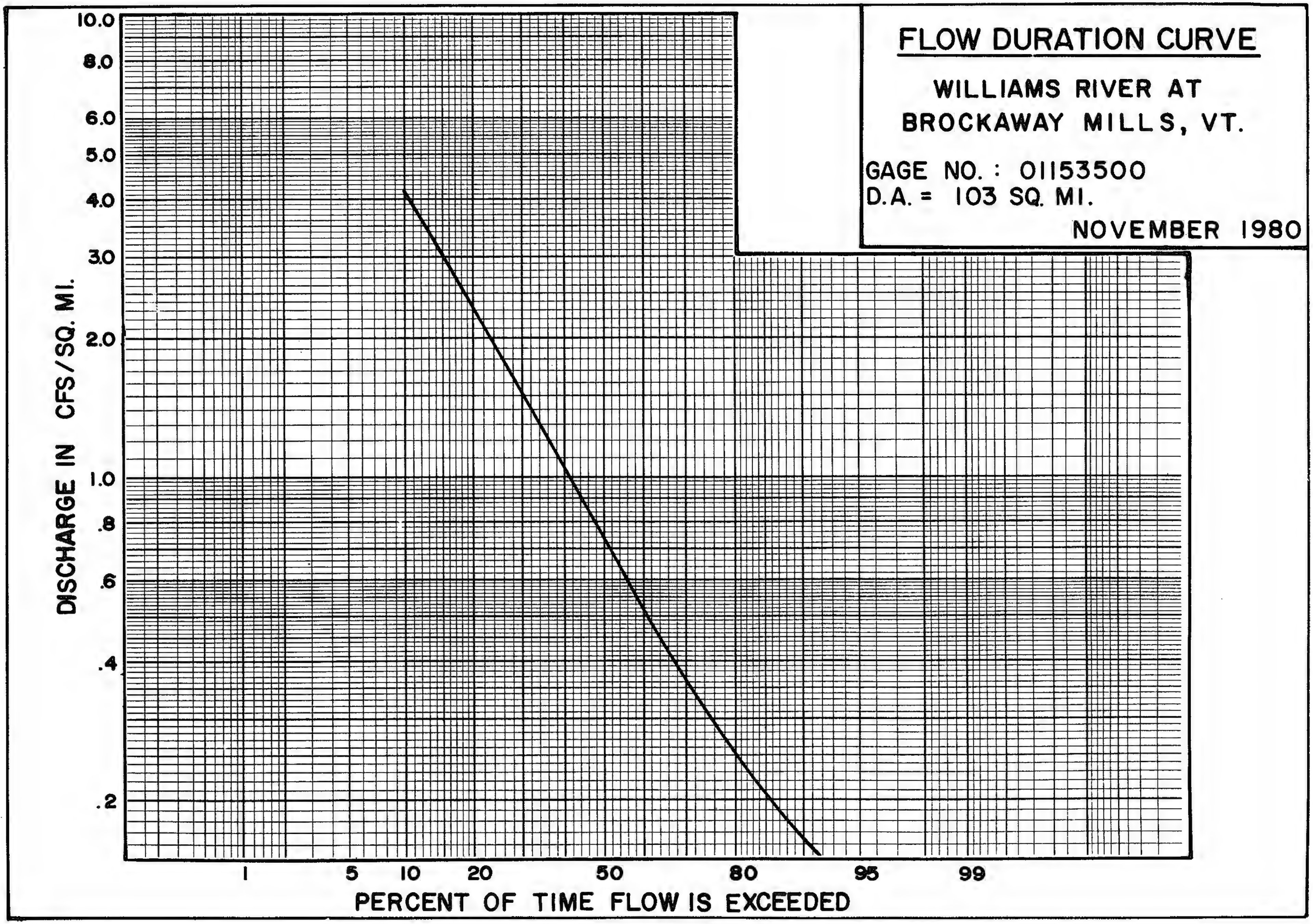


LOW FLOW FREQUENCY CURVES

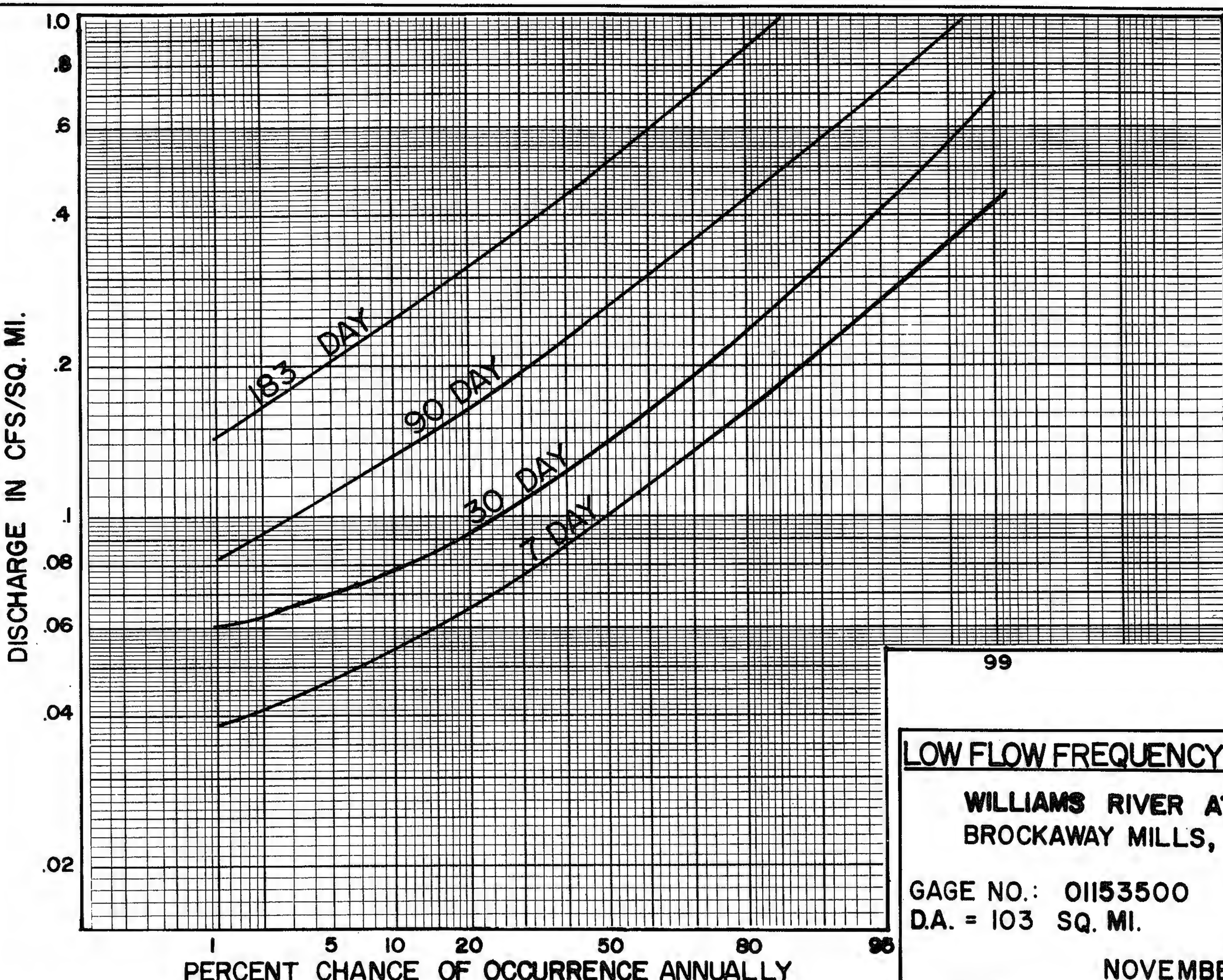
MASCOMA RIVER AT
WEST CANAAN, N.H.

GAGE NO. : 01145000
D.A. = 80.5 SQ. MI.

NOVEMBER 1980



FLOW DURATION CURVE
WILLIAMS RIVER AT
BROCKAWAY MILLS, VT.
GAGE NO. : 01153500
D.A. = 103 SQ. MI.
NOVEMBER 1980
10.0
8.0
6.0
5.0
4.0
3.0
2.0
1.0
.8
.6
.4
.2
DISCHARGE IN CFS/SQ. MI.
1
5
10
20
50
80
95
99
PERCENT OF TIME FLOW IS EXCEEDED



LOW FLOW FREQUENCY CURVES

WILLIAMS RIVER AT
BROCKAWAY MILLS, VT.

GAGE NO.: 01153500
D.A. = 103 SQ. MI.

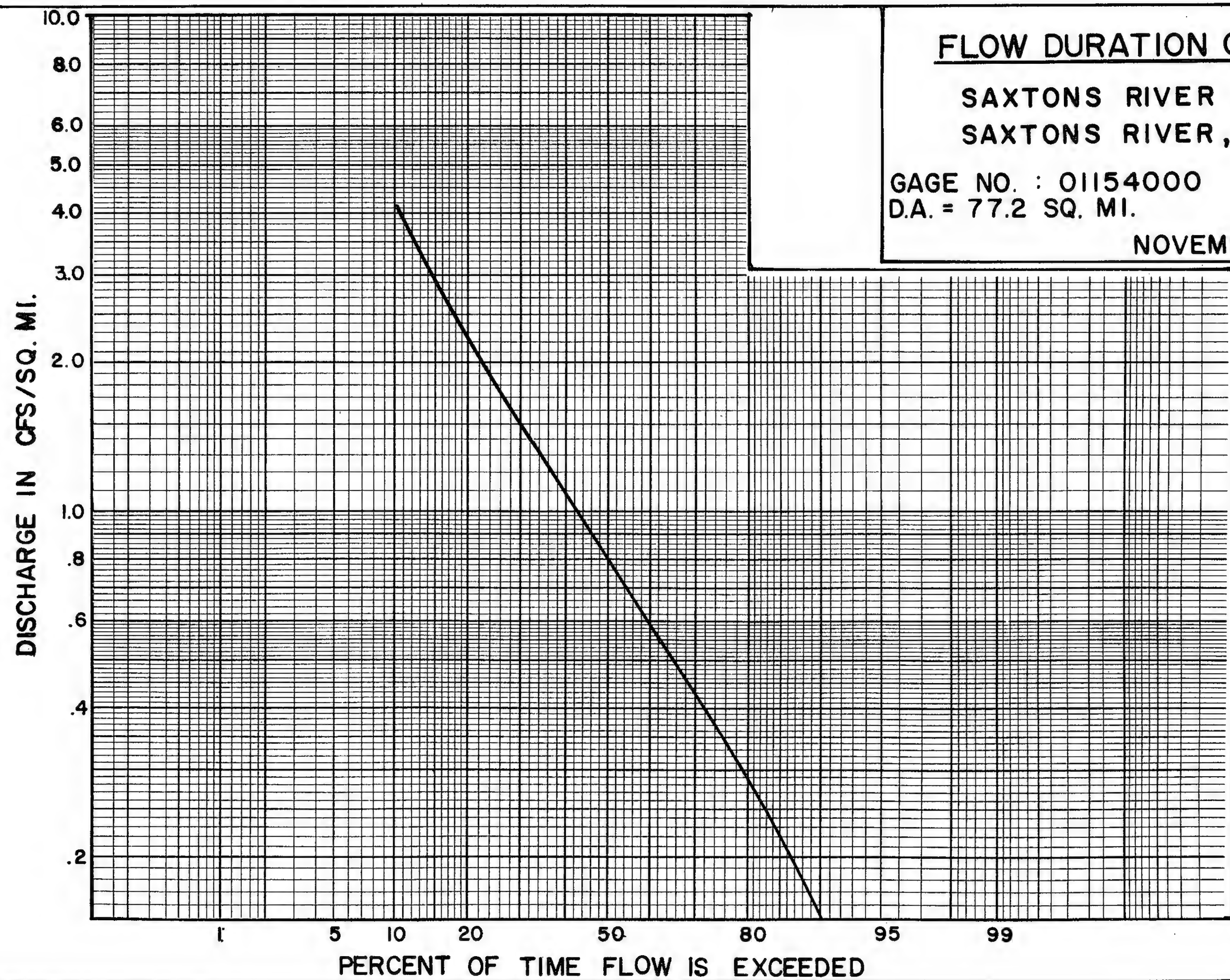
NOVEMBER 1980

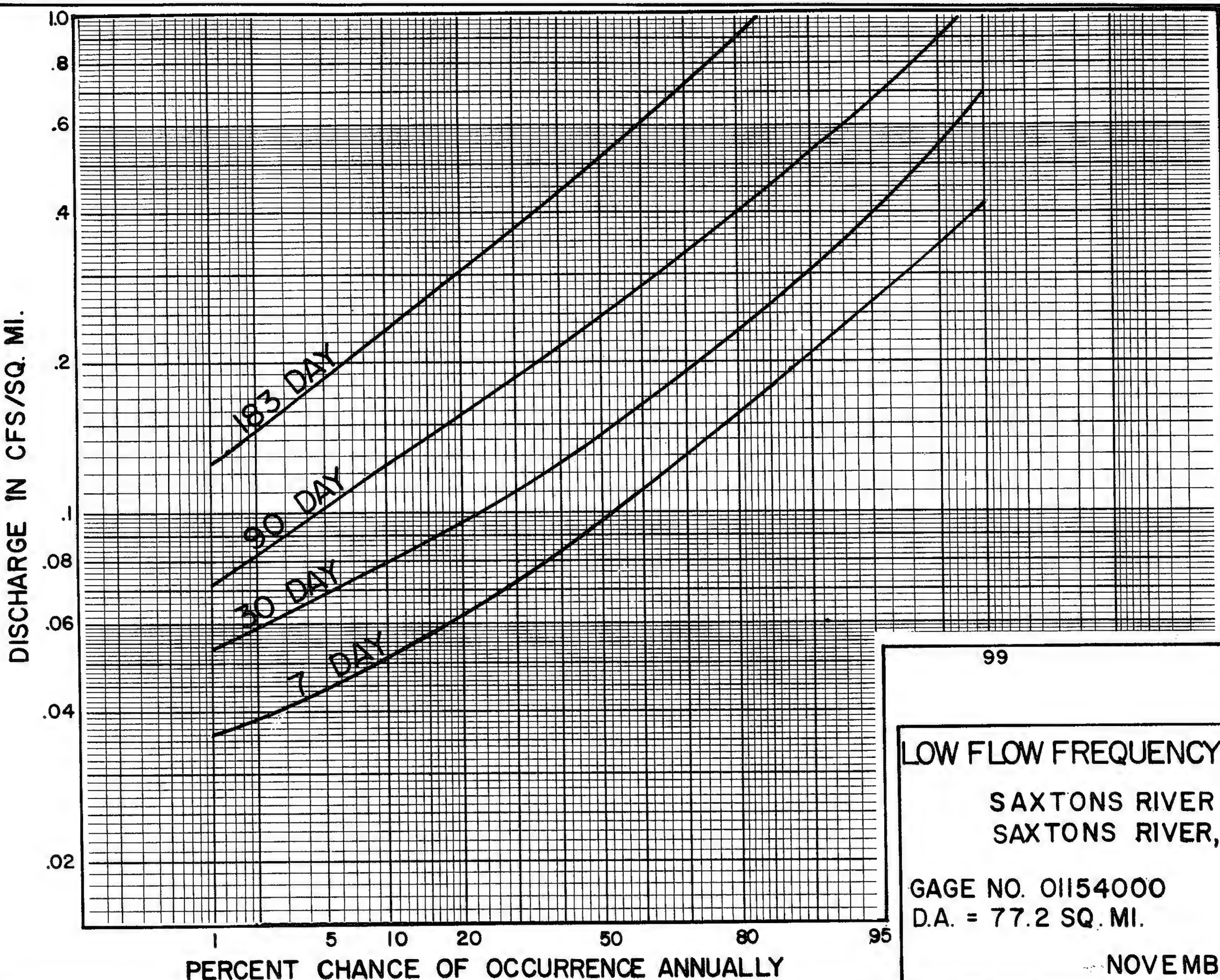
FLOW DURATION CURVE

SAXTONS RIVER AT
SAXTONS RIVER, VT.

GAGE NO. : 01154000
D.A. = 77.2 SQ. MI.

NOVEMBER 1980





LOW FLOW FREQUENCY CURVES

SAXTONS RIVER AT
SAXTONS RIVER, VT.

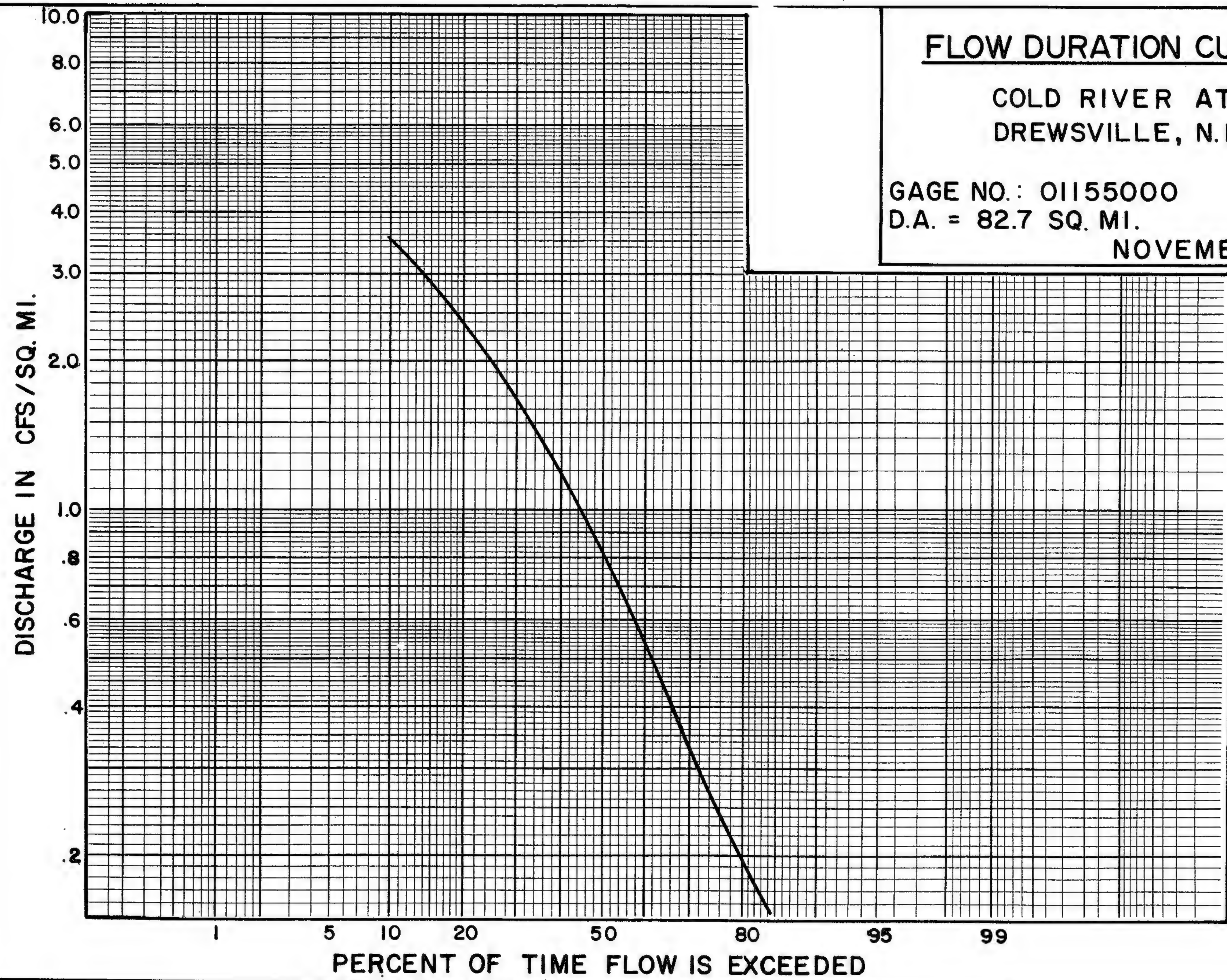
GAGE NO. 01154000
D.A. = 77.2 SQ. MI.

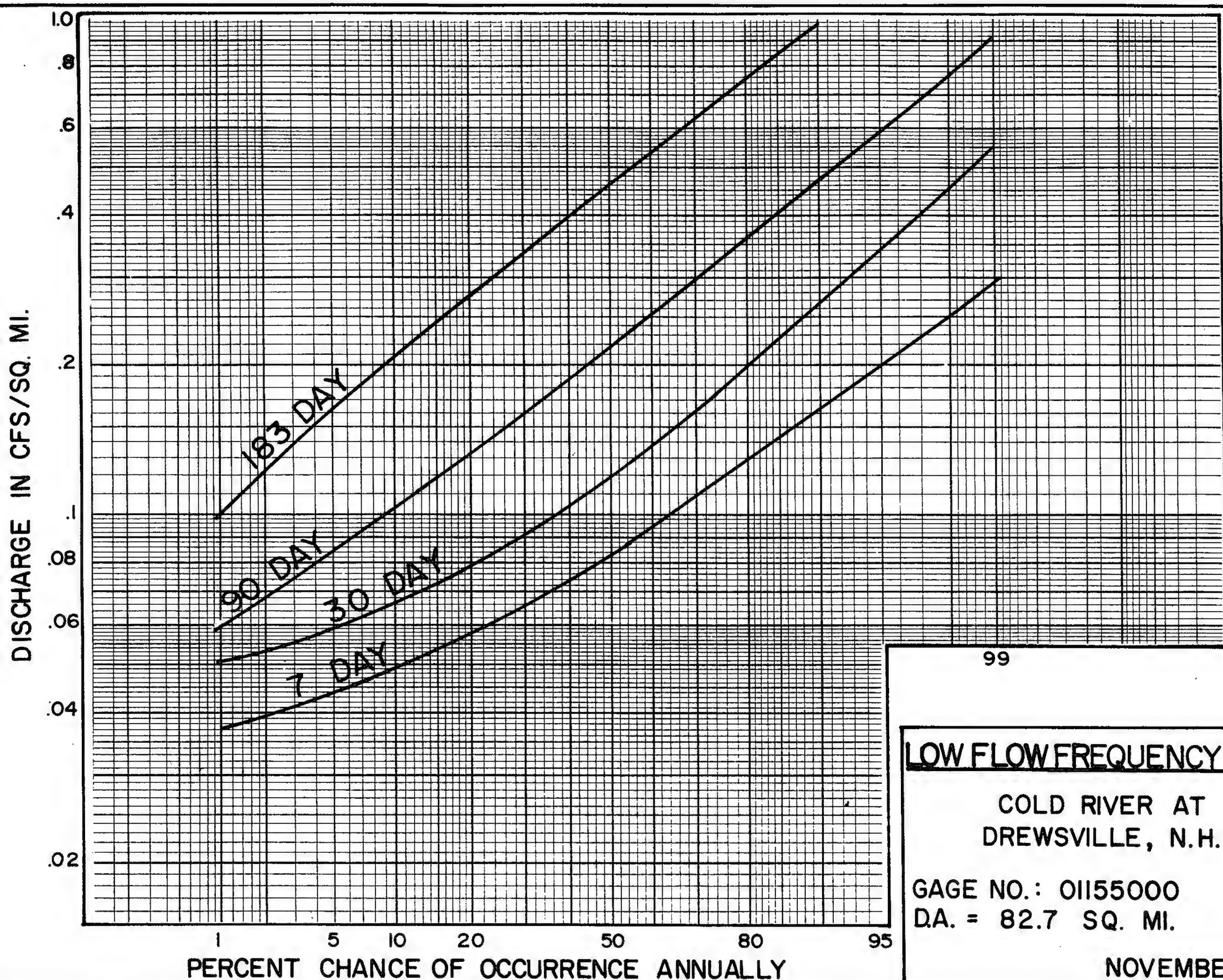
NOVEMBER 1980

FLOW DURATION CURVE

COLD RIVER AT
DREWSVILLE, N.H.

GAGE NO.: 01155000
D.A. = 82.7 SQ. MI.
NOVEMBER 1980





LOW FLOW FREQUENCY CURVES

COLD RIVER AT
DREWSVILLE, N.H.

GAGE NO.: 01155000
D.A. = 82.7 SQ. MI.

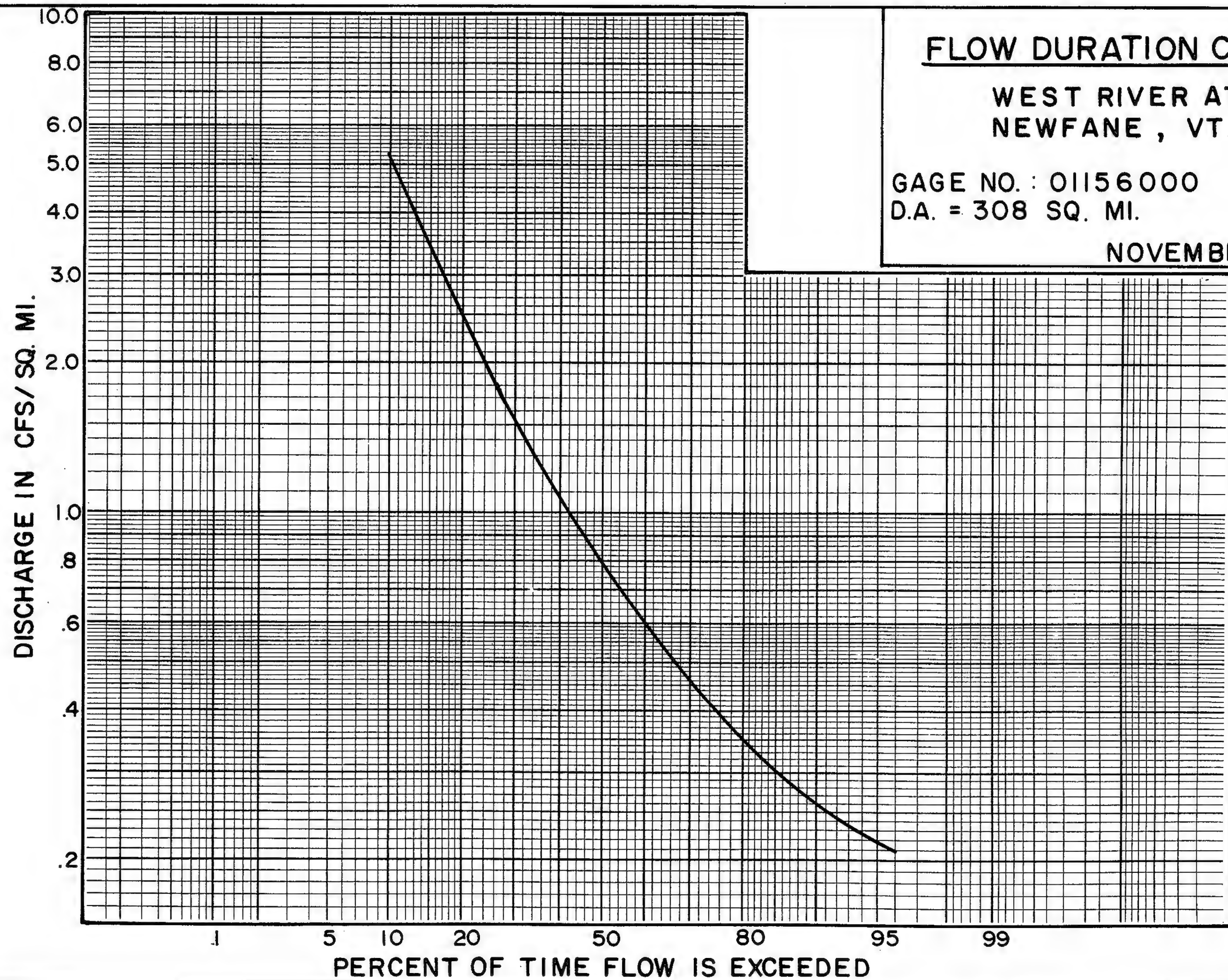
NOVEMBER 1980

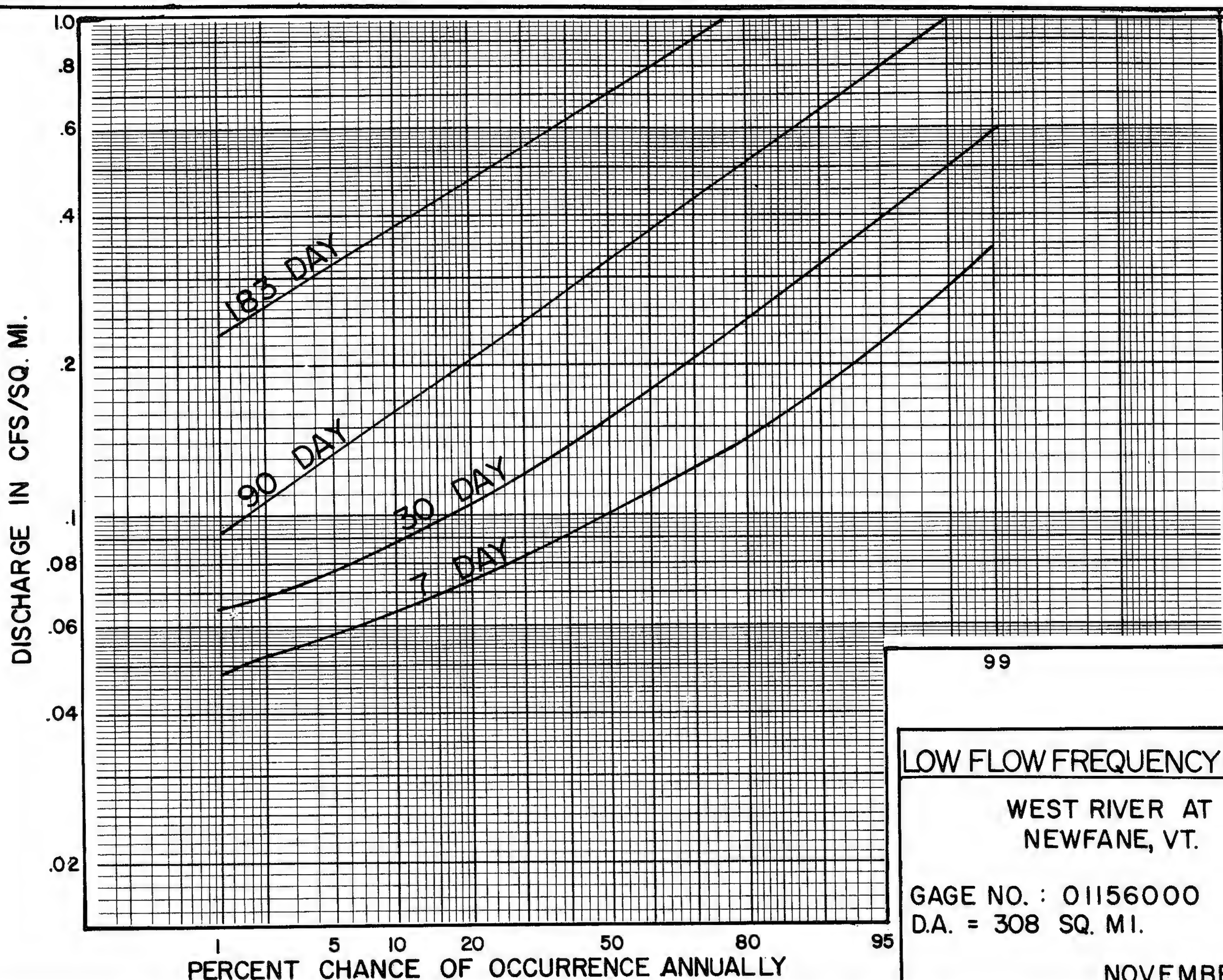
FLOW DURATION CURVE

WEST RIVER AT
NEWFANE , VT.

GAGE NO. : 01156000
D.A. = 308 SQ. MI.

NOVEMBER 1980





LOW FLOW FREQUENCY CURVES

WEST RIVER AT
NEWFANE, VT.

GAGE NO. : 01156000
D.A. = 308 SQ. MI.

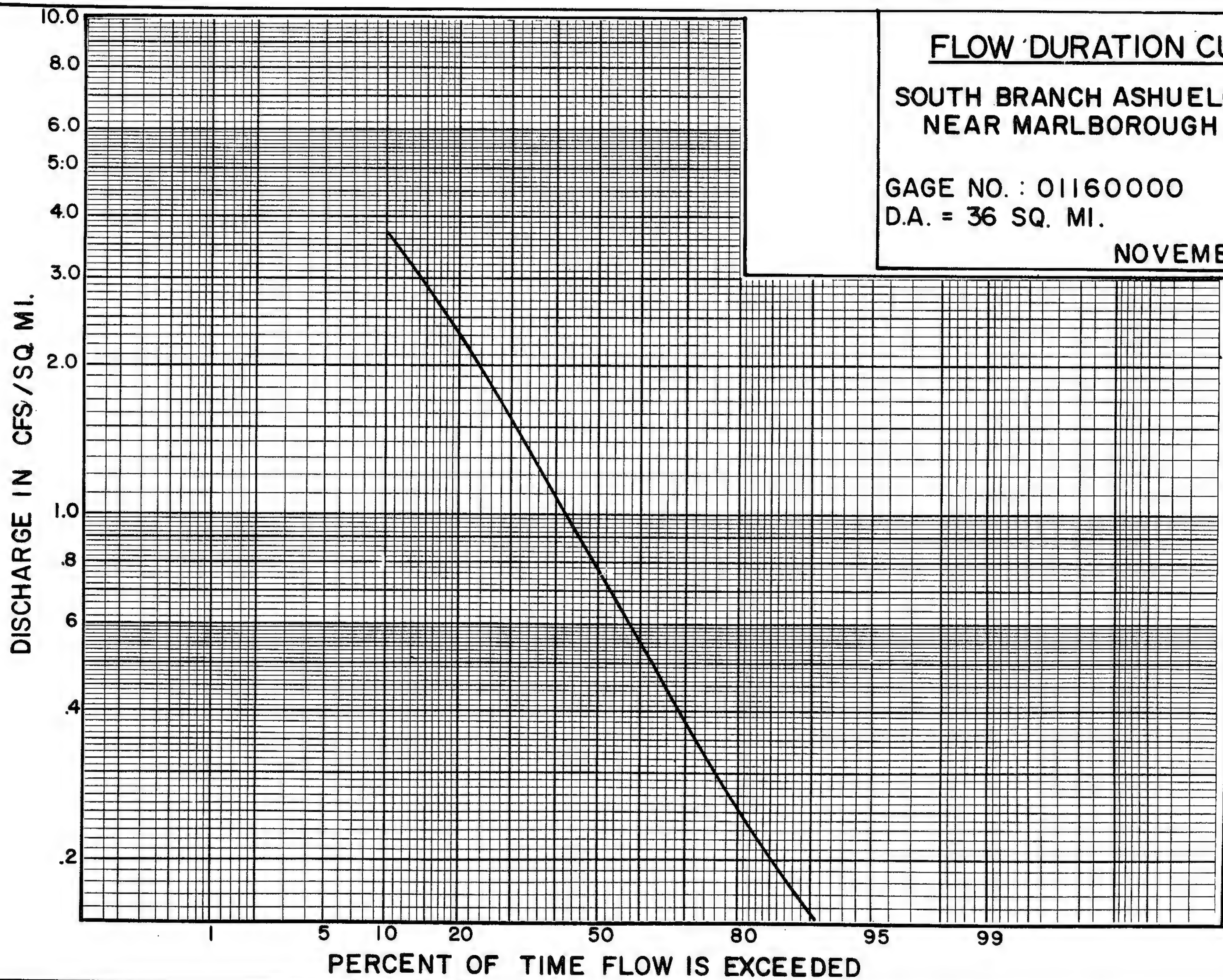
NOVEMBER 1980

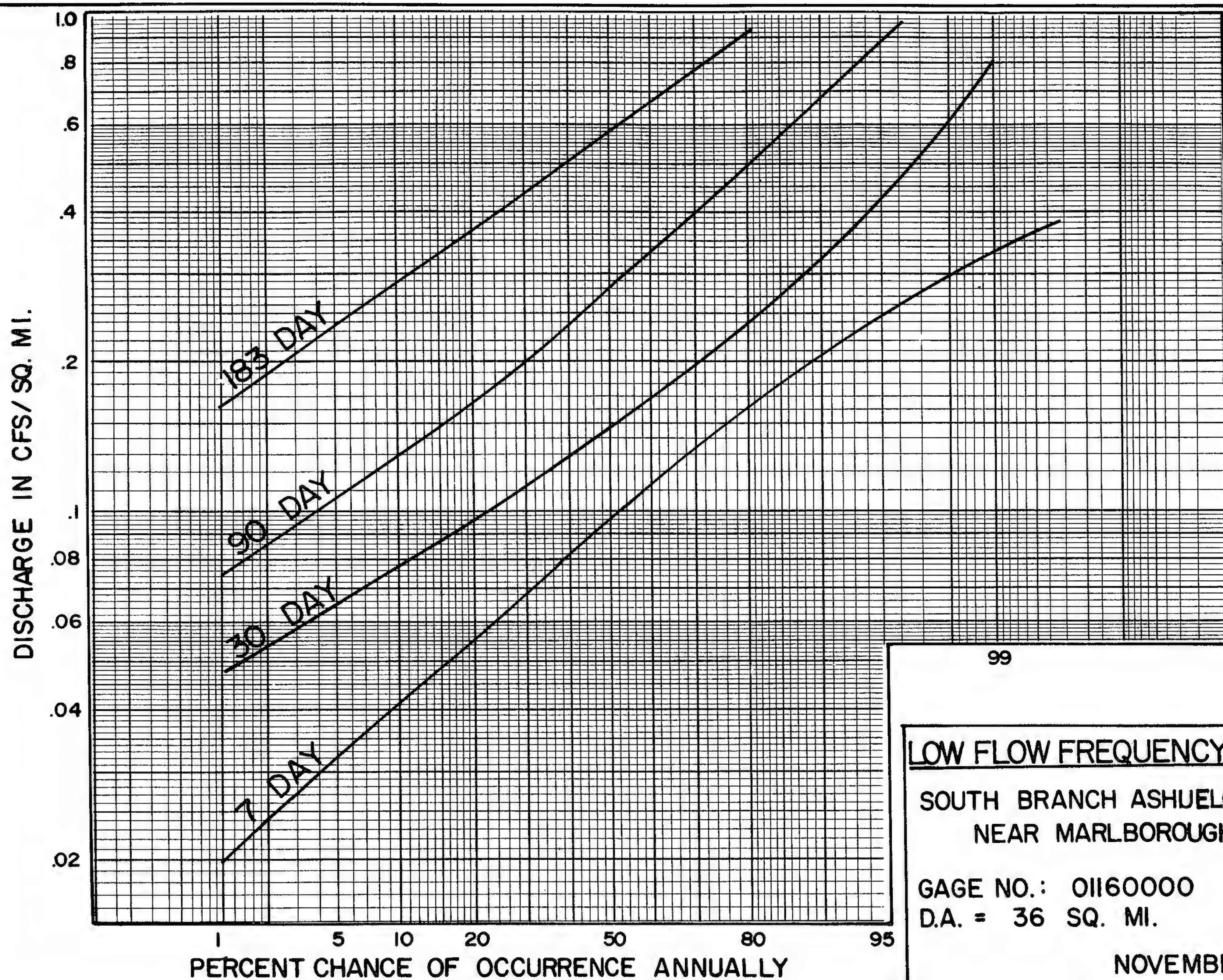
FLOW DURATION CURVE

SOUTH BRANCH ASHUELOT RIVER
NEAR MARLBOROUGH , N.H.

GAGE NO. : 01160000
D.A. = 36 SQ. MI.

NOVEMBER 1980





LOW FLOW FREQUENCY CURVES

SOUTH BRANCH ASHUELOT RIVER
NEAR MARLBOROUGH, N.H.

GAGE NO.: 01160000
D.A. = 36 SQ. MI.

NOVEMBER 1980

APPENDIX B

DISCHARGE DATA

USGS WATSTORE FILE

CONTENTS

Station No.	Name
01052500	Diamond River near Wentworth, NH
01054300	Ellis River at South Andover, ME
01057000	Little Androscoggin River near South Paris, ME
01064300	Ellis River near Jackson, NH
01064400	Lucy Brook near North Conway, NH
01064500	Saco River near Conway, NH
01064800	Cold Brook at South Tamworth, NH
01065000	Ossipee River at Effingham Falls, NH
01072850	Mohawk Brook near Center Stratford, NH
01073000	Oyster River near Durham, NH
01073600	Dudley Brook near Exeter, NH
01074500	E. Branch Pemigewasset River near Lincoln, NH
01075000	Pemigewasset River at Woodstock, NH
01075500	Baker River at Wentworth, NH
01075800	Stevens Brook near Wentworth, NH
01076000	Baker River near Rumney, NH
01076500	Pemigewasset River at Plymouth, NH
01077000	Squam River at Ashland, NH
01078000	Smith River near Bristol, NH
01080500	Lake Winnipesaukee Outlet at Lakeport, NH
01081000	Winnipesaukee River at Tilton, NH
01081500	Merrimack River at Franklin Jct., NH
01082000	Contoocook River at Peterborough, NH

Station No.	Name
01083000	Nubanusit Brook near Peterborough, NH
01084000	N. Branch Contoocook River near Antrim, NH
01084500	Beards Brook near Hillsboro, NH
01085000	Contoocook River near Henniker, NH
01085500	Contoocook River below Hopkinton Dam at W. Hopkinton, NH
01085800	W. Branch Warner River near Bradford, NH
01086000	Warner River at Davisville, NH
01087000	Blackwater River near Webster, NH
01089000	Soucook River near Concord, NH
01090800	Piscataquog River below Everett Dam, near E. Weare, NH
01091000	S. Branch Pisactaquog River near Goffstown, NH
01091500	Piscataquog River near Goffstown, NH
01092000	Merrimack River near Goffs Falls below Manchester, NH
01093000	Sucker Brook at Auburn, NH
01094000	Souhegan River at Merrimack, NH
01128500	Connecticut River at First Connecticut Lake near Pittsburg, NH
01129200	Connecticut River below Indian Stream near Pittsburg, NH
01129500	Connecticut River at North Stratford, NH
01130000	Upper Ammonoosuc River near Groveton, NH
01135000	Connecticut River near Dalton, NH
01133000	E. Branch Passumpsic River near East Haven, VT
01134500	Moose River at Victory, VT

Station No.	Name
01135000	Moose River at St. Johnsbury, VT
01137500	Ammonoosuc River at Bethlehem Jct., NH
01138000	Ammonoosuc River near Bath, NH
01141800	Mink Brook near Etna, NH
01142500	Ayers Brook at Randolph, VT
01144500	Connecticut River at West Lebanon, NH
01145000	Mascoma River at West Canaan, NH
01150500	Mascoma River at Mascoma, NH
01152500	Sugar River at West Claremont, NH
01153500	Williams River at Brockways Mills, VT
01154000	Saxtons River at Saxtons River, VT
01154500	Connecticut River at North Walpole, NH
01155000	Cold River at Drewsville, NH
01156000	West River at Newfane, VT
01157000	Ashuelot River near Gilsum, NH
01158000	Ashuelot River below Surrey Mt. Dam, near Keene, NH
01158500	Otter Brook near Keene, NH
01158600	Otter Brook below Otter Brook Dam, near Keene, NH
01160000	S. Branch Ashuelot River at Webb, near Marlborough, NH
01161000	Ashuelot River at Hinsdale, NH

STATION NUMBER 01052500

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
DIAMOND RIVER NEAR WENTWORTH LOCATION, NH

YEAR	1		3		7		14		30		60		90		120		183	
1943	11.00	5	12.00	5	13.00	5	15.00	4	31.00	5	42.00	5	57.00	5	88.00	10	160.00	15
1944	44.00	33	44.00	32	46.00	31	47.00	25	48.00	17	63.00	18	66.00	10	79.00	6	180.00	17
1945	22.00	10	24.00	11	28.00	9	39.00	18	47.00	15	86.00	25	111.00	27	142.00	29	197.00	22
1946	27.00	20	28.00	18	32.00	20	39.00	19	54.00	26	88.00	26	119.00	31	143.00	30	247.00	32
1947	22.00	11	23.00	10	28.00	10	43.00	22	49.00	18	66.00	19	81.00	15	115.00	18	215.00	26
1948	24.00	14	25.00	12	31.00	18	42.00	20	47.00	16	53.00	8	57.00	6	63.00	5	73.00	2
1949	15.00	7	16.00	7	18.00	7	20.00	7	25.00	3	32.00	2	46.00	2	51.00	2	121.00	8
1950	6.80	1	7.20	1	9.40	2	12.00	2	22.00	2	40.00	4	65.00	8	81.00	7	135.00	11
1951	28.00	21	30.00	22	36.00	25	50.00	28	71.00	31	97.00	28	103.00	25	123.00	23	193.00	21
1952	37.00	31	39.00	31	43.00	29	53.00	29	71.00	32	82.00	24	88.00	18	119.00	22	184.00	19
1953	7.10	2	8.10	2	9.00	1	11.00	1	14.00	1	15.00	1	20.00	1	26.00	1	62.00	1
1954	8.90	3	9.20	3	11.00	3	15.00	3	37.00	9	49.00	6	52.00	4	60.00	4	85.00	3
1955	63.00	36	71.00	36	76.00	36	82.00	36	101.00	35	121.00	34	165.00	34	190.00	34	297.00	33
1956	28.00	22	32.00	25	35.00	23	36.00	16	44.00	12	58.00	14	106.00	26	103.00	14	124.00	9
1957	22.00	12	25.00	13	29.00	11	33.00	10	40.00	10	55.00	10	85.00	16	95.00	11	115.00	7
1958	25.00	15	27.00	17	30.00	15	33.00	11	36.00	8	52.00	7	80.00	14	117.00	19	186.00	20
1959	44.00	32	46.00	33	51.00	33	56.00	31	65.00	29	99.00	29	90.00	20	107.00	16	183.00	18
1960	26.00	18	29.00	19	35.00	24	45.00	23	64.00	27	105.00	32	101.00	24	158.00	33	320.00	34
1961	13.00	6	14.00	6	15.00	6	18.00	6	32.00	6	57.00	12	93.00	21	113.00	17	147.00	13
1962	34.00	29	34.00	28	37.00	26	42.00	21	50.00	22	57.00	13	63.00	7	85.00	9	97.00	4
1963	27.00	19	29.00	20	33.00	21	47.00	26	49.00	19	55.00	11	66.00	9	95.00	12	213.00	25
1964	31.00	24	33.00	26	41.00	28	54.00	30	78.00	34	96.00	27	148.00	33	144.00	31	220.00	29
1965	31.00	25	31.00	23	31.00	16	32.00	9	49.00	20	75.00	22	93.00	22	118.00	21	133.00	10
1966	32.00	26	34.00	27	39.00	27	61.00	33	64.00	28	102.00	30	112.00	28	133.00	25	209.00	24
1967	32.00	27	32.00	24	34.00	22	39.00	17	53.00	24	62.00	17	72.00	11	96.00	13	149.00	14
1968	55.00	35	58.00	35	64.00	34	71.00	34	76.00	33	105.00	31	113.00	29	140.00	28	174.00	16
1969	20.00	8	21.00	8	24.00	8	26.00	8	34.00	7	38.00	3	47.00	3	58.00	3	102.00	5
1970	36.00	30	39.00	29	45.00	30	58.00	32	70.00	30	111.00	33	129.00	32	137.00	26	229.00	31
1971	22.00	9	23.00	9	29.00	12	34.00	12	50.00	21	74.00	21	101.00	23	137.00	27	218.00	27
1972	24.00	13	25.00	14	30.00	13	45.00	24	54.00	25	70.00	20	79.00	13	84.00	8	103.00	6
1973	29.00	23	29.00	21	31.00	17	35.00	14	47.00	13	80.00	23	115.00	30	145.00	32	203.00	23
1974	49.00	34	53.00	34	64.00	35	81.00	35	106.00	36	135.00	35	202.00	36	242.00	36	336.00	35
1975	25.00	16	26.00	15	30.00	14	34.00	13	47.00	14	59.00	15	86.00	17	104.00	15	141.00	12
1976	9.50	4	10.00	4	12.00	4	16.00	5	29.00	4	54.00	9	73.00	12	117.00	20	218.00	28
1977	34.00	28	39.00	30	48.00	32	50.00	27	52.00	23	60.00	16	89.00	19	131.00	24	223.00	30
1978	25.00	17	27.00	16	32.00	19	36.00	15	42.00	11	142.00	36	172.00	35	197.00	35	338.00	36

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STATION NUMBER 01052500

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
DIAMOND RIVER NEAR WENTWORTH LOCATION, NH

CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	13514	100.0
1	6.70	6	13514	100.0
2	8.30	12	13508	100.0
3	10.00	30	13496	99.9
4	13.00	23	13466	99.6
5	15.00	53	13443	99.5
6	19.00	69	13390	99.1
7	23.00	127	13321	98.6
8	28.00	248	13194	97.6
9	35.00	375	12946	95.8
10	43.00	538	12571	93.0
11	52.00	777	12033	89.0
12	64.0	1110	11256	83.3
13	78.0	1073	10146	75.1
14	96.0	1038	9073	67.1
15	120.0	756	8035	59.5
16	140.0	1320	7279	53.9
17	180.0	910	5959	44.1
18	220.0	813	5049	37.4
19	270.0	688	4236	31.3
20	330.0	542	3548	26.3
21	400.0	481	3006	22.2
22	490.0	446	2525	18.7
23	600.0	424	2079	15.4
24	740	360	1655	12.2
25	900	307	1295	9.5
26	1100	281	988	7.3
27	1400	213	707	5.2
28	1700	136	494	3.6
29	2000	142	358	2.6
30	2500	96	216	1.5
31	3100	66	120	.8
32	3800	35	54	.3
33	4600	17	19	.1
34	5700	2	2	

VALUE EXCEEDED "P" PERCENT OF TIME

D.A. = 153 mi²

	cfs	csm
V95 =	37.00	0.242
V90 =	50.00	0.327
V75 =	76.00	0.510
V70 =	90.00	0.588
V50 =	160.00	1.05
V25 =	350.00	2.29
V10 =	880.00	5.75

STATION NUMBER 01054300

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
ELLIS RIVER AT SOUTH ANDOVER, ME

YEAR	1		3		7		14		30		60		90		120		183	
1964	20.00	9	21.00	8	21.00	8	23.00	8	30.00	8	31.00	5	36.00	4	42.00	4	113.00	9
1965	22.00	10	22.00	9	23.00	9	25.00	9	25.00	6	40.00	9	48.00	9	52.00	7	60.00	3
1966	17.00	6	17.00	6	18.00	6	20.00	6	23.00	4	26.00	2	29.00	1	43.00	5	78.00	4
1967	14.00	3	14.00	3	15.00	3	17.00	3	23.00	5	27.00	3	29.00	2	40.00	2	119.00	10
1968	23.00	11	23.00	10	24.00	10	27.00	11	34.00	11	41.00	10	52.00	10	73.00	10	101.00	7
1969	24.00	12	25.00	12	27.00	12	32.00	12	38.00	12	42.00	11	44.00	7	49.00	6	82.00	5
1970	34.00	14	34.00	14	35.00	14	37.00	13	44.00	14	61.00	13	96.00	14	177.00	16	276.00	16
1971	14.00	4	15.00	5	17.00	5	19.00	5	28.00	7	34.00	6	48.00	8	62.00	9	98.00	6
1972	18.00	7	18.00	7	19.00	7	21.00	7	33.00	10	35.00	7	36.00	5	42.00	3	51.00	2
1973	14.00	5	14.00	4	15.00	4	17.00	4	21.00	2	31.00	4	38.00	6	57.00	8	102.00	8
1974	30.00	13	32.00	13	33.00	13	41.00	14	43.00	13	51.00	12	71.00	12	96.00	12	220.00	14
1975	35.00	15	35.00	15	39.00	15	50.00	15	59.00	15	82.00	15	96.00	15	100.00	13	156.00	12
1976	12.00	1	12.00	1	13.00	1	16.00	2	23.00	3	39.00	8	64.00	11	77.00	11	152.00	11
1977	52.00	16	53.00	16	57.00	16	62.00	16	64.00	16	69.00	14	83.00	13	109.00	14	160.00	13
1978	20.00	8	23.00	11	24.00	11	25.00	10	31.00	9	94.00	16	107.00	16	139.00	15	242.00	15
1979	13.00	2	13.00	2	14.00	2	15.00	1	18.00	1	24.00	1	29.00	3	31.00	1	43.00	1

STATION NUMBER 01054300

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
ELLIS RIVER AT SOUTH ANDOVER, ME

NUMBER OF DAYS IN CLASS

CLASS / YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1964					5	36	20	17	17	19	5	18	33	24	34	17	12	10
1965				14	32	25	18	9	31	28	22	26	27	30	14	14	12	10
1966			10	5	8	17	16	8	9	27	39	20	24	30	24	24	16	11
1967					2	28	34	25	24	22	45	15	27	10	21	11	10	7
1968						11	13	13	27	24	21	29	25	27	16	20	21	10
1969						2	6	8	16	16	29	37	46	31	18	24	21	15
1970			3	5	4	11	14	28	10	16	15	14	10	27	28	27	21	22
1971				5	8	18	19	17	11	15	31	27	26	56	28	21	15	8
1972			8	2	12	5	10	10	27	57	39	32	21	20	8	14	17	15
1973				2	5		12	20	17	13	11	19	9	13	25	24	19	17
1974							3	5	7	21	17	7	22	25	18	46	28	28
1975		4	3	4	5	6	10	10	7	10	25	40	27	35	17	22	21	28
1976										11	17	24	28	32	26	28	21	23
1977					7	11	3	7	7	10	39	31	26	28	23	23	18	17
1978		3	9	7	13	6	5	7	9	5	4	5	7	16	16	31	28	31
1979			1	2	26	49	42	28	30	20	22	13	9	7	4	8	7	10

CLASS / YEAR	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1964	22	17	13	9	8	7	9	3	2	2	3	1	1		2		
1965	8	6	10	9	7	7	4	1				1					
1966	13	6	15	6	7	9	6	6	4	3	2						
1967	8	5	11	12	13	20	5	5	1		2	1				1	
1968	13	14	15	9	16	9	13	10	6	1	1		1				1
1969	12	9	10	6	7	5	3	5	4	11	5	7	7	2	2	1	
1970	12	14	10	8	14	6	7	7	8	3	4	5	5	3	3		1
1971	5	5	6	5	5	3	3	4	7	9	4	2	1		1		
1972	14	9	6	2	3	3	6	6	5	3	3	3	4	2			
1973	22	21	27	20	16	14	11	8	6	5	3	3	2			1	
1974	20	17	21	13	14	10	12	10	6	4	3	4	1		2	1	
1975	18	10	15	7	9	6	8	8	6		2		2				
1976	28	19	20	17	22	15	11	5	5	6	1	2	3		1		1
1977	23	12	19	12	6	7	7	8	8	6	3	3	1				
1978	27	23	19	15	19	9	11	10	13	6	7	2	2				
1979	10	8	9	8	11	10	10	6	7	1	1	2	2	1	1		

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	5844	100.0	12	83.0	367	3667	62.7	24	690.0	126	515	8.8
1	12.0	7	5844	100.0	13	99.0	411	3300	56.5	25	820.0	102	389	6.6
2	14.0	34	5837	99.9	14	120.0	320	2889	49.4	26	980.0	88	287	4.9
3	17.0	46	5803	99.3	15	140.0	354	2569	44.0	27	1200.0	60	199	3.4
4	20.0	127	5757	98.5	16	170.0	287	2215	37.9	28	1400.0	44	139	2.3
5	24.0	225	5630	96.3	17	200.0	262	1928	33.0	29	1700.0	36	95	1.6
6	29.0	225	5405	92.5	18	240.0	255	1666	28.5	30	2000.0	32	59	1.0
7	35.0	212	5180	88.6	19	290.0	195	1411	24.1	31	2400.0	8	27	.4
8	41.0	249	4968	85.0	20	340.0	226	1216	20.8	32	2800.0	12	19	.3
9	49.0	314	4719	80.7	21	410.0	158	990	16.9	33	3400.0	4	7	.1
10	59.0	381	4405	75.4	22	480.0	177	832	14.2	34	4000.0	3	3	
11	70.0	357	4024	68.9	23	580.0	140	655	11.2					

VALUE EXCEEDED 'P' PERCENT OF TIME

	Q	Q CFS/mi2
V95 =	26.0	0.198
V90 =	33.0	0.252
V75 =	60.0	0.458
V70 =	68.0	0.519
V50 =	120.0	0.916
V25 =	280.0	2.14
V10 =	640.0	4.89

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STATION NUMBER 01057000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND

MEAN

LITTLE ANDROSCOGGIN RIVER NEAR SOUTH PARIS, ME

YEAR	1	3	7	14	30	60	90	120	183
1915	1.00 1	2.30 8	3.00 9	3.60 9	6.00 14	10.00 15	11.00 12	12.00 7	16.00 3
1916	24.00 57	26.00 57	26.00 56	33.00 56	48.00 54	52.00 53	56.00 51	57.00 47	73.00 39
1917	9.00 44	12.00 46	25.00 54	40.00 57	57.00 56	64.00 55	86.00 56	94.00 55	108.00 52
1918	20.00 55	20.00 54	21.00 53	22.00 51	26.00 48	28.00 42	33.00 39	43.00 39	51.00 28
1919	8.00 37	11.00 45	13.00 45	19.00 47	27.00 49	65.00 56	83.00 55	85.00 54	141.00 55
1920	1.00 2	1.00 1	1.00 1	1.10 1	2.20 1	8.60 13	24.00 30	32.00 32	80.00 43
1921	16.00 52	18.00 53	19.00 52	23.00 52	33.00 52	36.00 46	38.00 41	45.00 41	66.00 36
1922	3.00 13	3.50 13	3.80 14	4.10 12	4.70 9	4.90 4	7.10 4	13.00 10	25.00 11
1923	6.60 30	7.20 31	7.50 30	8.20 31	9.40 21	16.00 26	19.00 24	23.00 23	27.00 13
1924	2.00 7	2.70 10	2.90 8	3.40 6	4.20 6	4.90 5	8.10 6	8.00 3	26.00 12
1933	7.00 33	7.30 32	8.30 33	10.00 34	15.00 36	20.00 34	23.00 26	30.00 29	68.00 37
1934	10.00 45	10.00 43	11.00 42	12.00 38	13.00 32	22.00 35	29.00 36	30.00 30	53.00 31
1935	7.60 35	9.00 40	10.00 40	12.00 39	13.00 33	19.00 33	26.00 31	35.00 35	52.00 29
1936	8.60 42	9.50 41	9.70 39	10.00 35	20.00 43	26.00 40	24.00 27	29.00 28	50.00 27
1937	3.70 16	4.20 20	5.00 20	5.60 19	6.20 15	7.00 11	8.40 8	14.00 12	31.00 14
1938	4.60 23	4.90 22	5.20 21	6.70 24	9.70 23	16.00 27	21.00 25	33.00 33	88.00 45
1939	10.00 46	11.00 44	13.00 43	16.00 45	23.00 45	48.00 52	54.00 50	68.00 50	79.00 40
1940	3.70 17	4.00 17	4.70 18	5.90 21	8.20 19	10.00 16	12.00 16	13.00 11	23.00 8
1941	9.00 43	9.60 42	11.00 41	12.00 40	13.00 34	18.00 31	18.00 22	20.00 20	43.00 21
1942	4.80 24	5.10 23	5.70 23	6.60 23	7.90 18	10.00 17	11.00 13	16.00 13	19.00 7
1943	8.00 38	8.30 36	8.40 34	9.00 32	10.00 24	15.00 24	17.00 21	23.00 24	45.00 23
1944	16.00 53	16.00 52	17.00 50	21.00 50	23.00 46	37.00 47	51.00 49	52.00 46	111.00 53
1945	7.80 36	7.90 34	8.80 36	9.80 33	10.00 25	17.00 28	24.00 28	31.00 31	48.00 25
1946	14.00 50	14.00 48	16.00 49	19.00 48	28.00 50	31.00 43	47.00 47	72.00 52	101.00 50
1947	8.30 41	8.70 39	9.70 37	12.00 41	18.00 41	35.00 45	58.00 52	70.00 51	101.00 51
1948	3.80 18	4.10 18	4.70 19	5.00 15	5.70 13	6.90 10	11.00 14	17.00 17	17.00 5
1949	2.00 8	2.10 7	2.50 5	2.70 3	4.50 7	6.50 8	8.20 7	11.00 5	35.00 17
1950	1.30 4	1.60 4	1.90 4	2.70 4	3.30 3	4.50 2	6.40 2	7.90 2	19.00 6
1951	3.20 14	3.50 14	3.70 13	5.70 20	9.40 22	17.00 29	16.00 20	20.00 21	35.00 18
1952	13.00 47	14.00 49	15.00 48	17.00 46	22.00 44	46.00 51	46.00 45	50.00 45	64.00 34
1953	2.00 9	2.10 5	2.60 6	3.70 10	4.60 8	5.50 6	7.00 3	7.30 1	16.00 4
1954	6.70 31	7.00 30	7.40 29	8.10 29	13.00 35	15.00 25	24.00 29	26.00 25	35.00 19
1955	14.00 51	15.00 51	18.00 51	28.00 53	60.00 57	74.00 57	102.00 57	135.00 57	166.00 57
1956	1.80 6	2.10 6	2.90 7	3.50 7	4.20 4	8.20 12	9.50 10	12.00 8	31.00 15
1957	7.10 34	7.40 33	7.90 31	8.00 27	10.00 26	44.00 50	62.00 53	75.00 53	79.00 41
1958	3.80 19	3.80 15	4.10 15	4.80 14	5.50 12	6.40 7	12.00 15	19.00 19	37.00 20
1959	6.50 29	6.60 28	6.90 28	7.50 25	11.00 28	14.00 21	28.00 35	28.00 26	49.00 26
1960	8.10 39	8.10 35	8.40 35	11.00 36	16.00 37	24.00 37	27.00 32	37.00 36	63.00 33
1961	4.80 25	5.40 25	6.20 26	8.10 28	16.00 38	25.00 38	40.00 43	45.00 42	73.00 38

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STATION NUMBER 01057000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
LITTLE ANDROSCOGGIN RIVER NEAR SOUTH PARIS, ME

YEAR	1	3	7	14	30	60	90	120	183
1962	2.90 12	3.00 11	3.30 11	3.60 8	5.00 11	6.80 9	7.80 5	13.00 9	24.00 9
1963	6.10 28	6.80 29	7.90 32	12.00 42	16.00 39	27.00 41	30.00 37	34.00 34	90.00 46
1964	5.80 26	5.90 26	6.00 24	6.50 22	11.00 29	11.00 18	15.00 19	16.00 14	46.00 24
1965	3.80 20	4.10 19	4.20 16	4.30 13	4.80 10	8.70 14	10.00 11	11.00 6	14.00 2
1966	2.60 10	2.60 9	3.10 10	4.10 11	7.50 16	12.00 19	13.00 17	16.00 15	25.00 10
1967	5.80 27	5.90 27	6.80 27	8.20 30	11.00 30	14.00 22	19.00 23	23.00 22	66.00 35
1968	8.30 40	8.50 38	9.70 38	11.00 37	17.00 40	23.00 36	32.00 38	39.00 37	57.00 32
1969	3.50 15	3.80 16	4.40 17	5.40 17	7.50 17	12.00 20	14.00 18	18.00 18	52.00 30
1970	13.00 48	14.00 50	14.00 46	16.00 43	19.00 42	25.00 39	37.00 40	49.00 43	99.00 49
1971	1.19 3	1.40 2	1.70 3	3.00 5	4.20 5	4.90 3	8.80 9	16.00 16	44.00 22
1972	2.90 11	3.10 12	3.60 12	5.10 16	11.00 31	19.00 32	26.00 33	29.00 27	31.00 16
1973	13.00 49	13.00 47	14.00 47	16.00 44	25.00 47	43.00 48	47.00 46	60.00 48	90.00 47
1974	20.00 54	21.00 55	27.00 57	32.00 54	50.00 55	56.00 54	83.00 54	99.00 56	161.00 56
1975	7.00 32	8.40 37	13.00 44	21.00 49	28.00 51	34.00 44	40.00 44	43.00 40	80.00 44
1976	4.50 22	5.20 24	6.00 25	7.60 26	10.00 27	18.00 30	39.00 42	50.00 44	79.00 42
1977	21.00 56	22.00 56	26.00 55	33.00 55	37.00 53	43.00 49	50.00 48	66.00 49	90.00 48
1978	4.40 21	4.60 21	5.20 22	5.60 18	9.20 20	15.00 23	28.00 34	40.00 38	111.00 54
1979	1.40 5	1.50 3	1.60 2	1.90 2	2.60 2	4.10 1	6.00 1	8.10 4	11.00 1

B-6

1979 1 1 1 6 29 32 56 26 28 29 18 20 8 13 10 11 8 12 17 19 8 3 6 2 1

7 10 3 10 3 1 2 2 24 22 44 48 19 36 24 15 7 14 10 4 2 2

CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	21184	100.0
1	1.0	15	21184	100.0
2	1.3	9	21169	99.9
3	1.7	33	21160	99.9
4	2.2	46	21127	99.7
5	2.9	92	21081	99.5
6	3.7	241	20989	99.1
7	4.8	363	20748	97.9
8	6.3	449	20385	96.2
9	8.2	635	19936	94.1
10	11.0	653	19301	91.1
11	14.0	881	18648	88.0

CLASS	VALUE	TOTAL	ACCUM	PERCT
12	18.0	936	17767	83.9
13	23.0	1197	16831	79.5
14	30.0	1420	15634	73.8
15	39.0	1906	14214	67.1
16	51.0	2031	12308	58.1
17	66.0	1818	10277	48.5
18	86.0	1517	8459	39.9
19	110.0	1670	6942	32.8
20	150.0	1045	5272	24.9
21	190.0	1083	4227	20.0
22	250.0	753	3144	14.8
23	320.0	735	2391	11.3

CLASS	VALUE	TOTAL	ACCUM	PERCT
24	420.0	603	1656	7.8
25	540.0	413	1053	4.9
26	700.0	317	640	3.0
27	920.0	168	323	1.5
28	1200.0	61	155	.7
29	1500.0	53	94	.4
30	2000.0	31	41	.1
31	2600.0	7	10	
32	3400.0	1	3	
33	4400.0		2	
34	5700.0	2	2	

D.A. = 76.2 mi²

VALUE EXCEEDED "P" PERCENT OF TIME

	Q	CFS/MI²
V95 =	7.4	0.0971
V90 =	12.0	0.157
V75 =	29.0	0.381
V70 =	35.0	0.459
V50 =	64.0	0.840
V25 =	150.0	1.97

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V10 =	360.0	4.72

01057000

STATION NUMBER 01064300

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
ELLIS RIVER NEAR JACKSON, NH

YEAR	1		3		7		14		30		60		90		120		183	
1965	6.90	12	7.10	13	7.50	13	7.90	13	9.50	14	11.00	10	11.00	8	13.00	6	15.00	5
1966	7.30	14	7.50	14	7.80	14	8.10	14	9.00	13	11.00	11	12.00	9	14.00	7	21.00	9
1967	6.20	10	6.60	10	6.90	10	7.50	11	7.70	9	8.80	7	10.00	7	14.00	8	27.00	13
1968	6.10	9	6.20	9	6.60	9	6.60	9	7.60	8	12.00	12	14.00	11	16.00	11	25.00	11
1969	5.20	7	5.20	7	5.20	6	5.30	6	5.80	6	6.80	5	7.80	4	10.00	5	12.00	3
1970	5.50	8	6.00	8	6.30	8	6.50	8	7.20	7	10.00	8	16.00	14	23.00	15	31.00	14
1971	5.00	6	5.10	6	5.20	7	5.40	7	5.70	5	6.60	4	7.00	3	8.30	2	15.00	4
1972	3.80	3	3.90	3	4.00	3	4.50	3	5.00	2	5.40	2	6.50	2	7.50	1	11.00	2
1973	6.80	11	6.80	11	7.00	11	7.50	10	8.60	10	11.00	9	12.00	10	14.00	9	19.00	8
1974	4.00	4	4.10	4	4.10	4	4.40	2	8.80	12	13.00	13	15.00	12	19.00	14	33.00	15
1975	5.00	5	5.00	5	5.00	5	5.20	5	5.60	4	6.30	3	8.10	5	16.00	10	17.00	6
1976	7.50	15	7.60	15	7.90	15	9.00	15	10.00	15	14.00	15	16.00	13	18.00	12	22.00	10
1977	2.70	1	2.80	1	2.90	1	3.00	1	3.10	1	3.40	1	5.10	1	9.00	4	19.00	7
1978	7.00	13	7.00	12	7.30	12	7.90	12	8.70	11	13.00	14	18.00	15	19.00	13	27.00	12
1979	3.40	2	3.40	2	3.70	2	4.80	4	5.20	3	7.30	6	8.80	6	8.80	3	9.50	1

STATION NUMBER 01064300

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
ELLIS RIVER NEAR JACKSON, NH

NUMBER OF DAYS IN CLASS

CLASS / YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1965							11	76	43	48	55	32	26	15	10	7	6	7
1966								32	15	47	54	39	28	27	17	17	14	17
1967						2	16	26	35	24	39	37	36	22	19	24	15	15
1968						5	25	24	22	28	22	28	30	26	19	28	22	21
1969					11	24	22	25	40	37	44	17	20	12	9	12	5	13
1970					5	17	41	31	72	35	35	16	19	17	7	6	10	10
1971					9	39	41	24	13	25	52	23	27	16	17	3	16	12
1972				10	19	25	28	39	26	30	41	26	15	15	14	10	9	11
1973								3	27	27	57	40	32	22	24	27	13	14
1974				11	4	4	4	13	[illegible]	30	43	19	29	20	16	20	[illegible]	27
1975					19	22	14	27	[illegible]	33	42	23	29	20	19	13	[illegible]	11
1976							3	9	18	28	52	39	44	40	34	22	21	9
1977		19	27	11	6	5	10	12	15	30	31	24	13	19	20	30	24	17
1978					9	16	24	30	19	25	42	23	28	17	22	16	19	18
1979			4	5	32	24	27	24	22	30	41	17	22	19	15	15	9	10

CLASS / YEAR	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1965	6	7	3	5	1	4	2	1									
1966	20	8	5	7	1	5	6	6									
1967	13	9	12	4	3	7	2	3		1						1	
1968	16	15	7	4	13	7	2		1							1	
1969	7	13	11	13	7	13	5	2			1	1	1				
1970	7	6	4	4	3	5		5	2	4	3					1	
1971	7	11	12	2	4	2	3	5	2								
1972	8	11	6	5	2	3	7	1	2	1	2						
1973	18	8	7	5	7	7	8	3	5	5							1
1974	12	10	11	5	8	4	4	2	3	6	1		3			2	
1975	9	5	14	8	8	3		3	1	1							
1976	15	11	9	1	3	2		3	2		1						
1977	10	12	11	5	4	1		4	3			1	1				
1978	7	11	6	12	2	5	5	2	3	2	1		1				
1979	7	9	5	6	3	4	4	4	3		1	1	1			1	

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	5478	100.0	12	19.0	398	2488	45.4	24	160	48	166	3.0
1	2.60	19	5478	100.0	13	23.0	307	2090	38.2	25	190	44	118	2.1
2	3.20	31	5459	99.7	14	27.0	262	1783	32.5	26	230	27	74	1.3
3	3.80	37	5428	99.1	15	32.0	250	1521	27.8	27	270	20	47	.8
4	4.60	114	5391	98.4	16	38.0	235	1271	23.2	28	320	10	27	.4
5	5.50	183	5277	96.3	17	46.0	212	1036	18.9	29	380	3	17	.3
6	6.50	263	5094	93.0	18	55.0	162	824	15.0	30	460	7	14	.2
7	7.80	395	4831	88.2	19	65.0	146	662	12.1	31	550		7	.1
8	9.30	418	4436	81.0	20	78.0	123	516	9.4	32	650		7	.1
9	11.00	477	4018	73.3	21	93.0	86	393	7.2	33	780	6	7	.1
10	13.00	650	3541	64.6	22	110.0	69	307	5.6	34	930	1	1	
11	16.00	403	2891	52.8	23	130.0	72	238	4.3					

VALUE EXCEEDED "P" PERCENT OF TIME

	CFS	CSM
V95 =	5.90	0.5413
V90 =	7.30	0.6697
V75 =	11.00	1.0092
V70 =	12.00	1.1009
V50 =	17.00	1.5596
V25 =	36.00	3.3027
V10 =	75.00	6.8807

STATION NUMBER 01064400

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
LUCY BROOK NEAR NORTH CONWAY, NH

YEAR	1		3		7		14		30		60		90		120		183	
1966	0.49	2	0.59	3	0.62	3	0.64	3	0.79	3	0.87	2	1.10	3	1.60	3	2.40	2
1967	0.90	8	0.90	8	1.00	7	1.19	7	1.30	7	1.60	6	2.00	6	2.40	4	6.10	8
1968	0.72	6	0.72	5	0.87	5	0.91	5	1.00	4	1.30	4	1.90	5	2.60	6	4.10	4
1969	0.32	1	0.41	1	0.45	1	0.52	1	0.62	2	0.90	3	1.00	2	1.30	2	3.40	3
1970	1.30	13	1.30	13	1.40	12	1.50	12	1.60	10	1.90	8	2.60	9	3.70	11	8.00	12
1971	0.99	9	1.19	12	1.40	13	1.60	13	1.70	11	2.00	11	2.60	10	2.70	7	5.20	5
1972	0.69	4	0.89	7	1.00	8	1.30	10	1.80	12	2.20	13	2.60	11	4.00	12	5.30	6
1973	1.10	12	1.10	9	1.19	10	1.19	8	1.50	8	2.10	12	2.50	7	3.30	9	6.20	9
1974	0.99	10	1.10	10	1.19	11	1.40	11	1.60	9	1.90	9	2.70	12	4.40	13	11.00	14
1975	1.10	11	1.10	11	1.10	9	1.30	9	2.10	14	3.00	14	3.10	14	3.20	8	6.10	7
1976	0.80	7	0.87	6	0.89	6	0.93	6	1.30	5	1.70	7	2.50	8	3.60	10	7.30	10
1977	1.40	14	1.50	14	1.70	14	1.80	14	1.80	13	2.00	10	3.00	13	4.40	14	8.10	13
1978	0.69	5	0.70	4	0.72	4	0.79	4	1.30	6	1.40	5	1.80	4	2.40	5	7.60	11
1979	0.52	3	0.52	2	0.52	2	0.56	2	0.59	1	0.69	1	0.90	1	1.10	1	1.60	1

STATION NUMBER 01064400

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
LUCY BROOK NEAR NORTH CONWAY, NH

NUMBER OF DAYS IN CLASS

CLASS / YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1965			3	8	42	40	14	9	12	8	41	43	33	32	13	15	5	7	12	11	9	3	3	1		1									
1966						10	14	22	28	54	53	29	20	16	19	15	8	17	17	15	10	8	6	4											
1967					3	9	12	14	14	23	67	38	36	23	19	10	11	9	10	13	31	12	5	2	1	1		1					1		
1968		1	2	17	4	8	6	6	8	13	21	48	25	43	29	34	19	17	10	10	20	11	9	2	1	1			1						
1969			10	11	6	4	2	3	27	22	22	54	47	35	21	21	7	10	7	4	8	5	10	13	5	4	4	1	1	1					
1970						1	3	30	27	15	50	30	35	26	21	17	20	16	14	5	11	8	7	14	1	4	6		2		1	1			
1971					1	4	4	17	16	11	29	27	41	55	38	27	12	19	10	8	6	10	3	16	6	1	2			1	1				
1972							3	7	11	12	17	47	68	55	25	22	14	21	10	4	8	5	15	11	3	5	3								
1973						2	4	13	27	9	10	12	14	20	39	32	21	23	15	19	37	14	20	11	10	7		2	1			1	1		1
1974							7	11	35	13	20	17	28	38	27	29	16	26	15	22	18	14	9	6	4	2	7								1
1975						12	13	15	17	9	48	50	43	23	31	16	9	13	6	11	6	16	10	6	6	2	1	1		1					
1976								6	26	22	29	26	27	18	12	14	27	32	29	31	22	9	8	14	4	5	3	1	1						
1977					9	6	6	20	35	42	36	32	25	29	20	16	14	13	9	12	12	6	7	4	4	2	2	1	1			1	1		
1978				15	26	13	8	8	11	6	12	27	21	36	37	29	21	21	18	16	11	5	7	3	6	2	2	1	2		1				
1979					1	7	3	21	28	53	46	36	27	19	16	9	5	11	9	15	8	17	6	9	5	2	4	3		3	1		1		

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	5478	100.0	12	3.6	490	3251	59.3	24	52.0	56	168	3.0
1	0.3	1	5478	100.0	13	4.5	468	2761	50.4	25	64.0	39	112	2.0
2	0.4	15	5477	100.0	14	5.7	367	2293	41.9	26	80.0	34	73	1.3
3	0.5	51	5462	99.7	15	7.1	306	1926	35.2	27	100.0	11	39	.7
4	0.6	92	5411	98.8	16	8.8	209	1620	29.6	28	130.0	9	28	.5
5	0.8	116	5319	97.1	17	11.0	255	1411	25.8	29	160.0	6	19	.3
6	1.0	99	5203	95.0	18	14.0	191	1156	21.1	30	190.0	4	13	.2
7	1.2	202	5104	93.2	19	17.0	196	965	17.6	31	240.0	3	9	.1
8	1.5	322	4902	89.5	20	21.0	217	769	14.0	32	300.0	4	6	.1
9	1.9	312	4580	83.6	21	27.0	143	552	10.1	33	380.0		2	
10	2.3	501	4268	77.9	22	33.0	125	409	7.5	34	470.0	2	2	
11	2.9	516	3767	68.8	23	41.0	116	284	5.2					

VALUE EXCEEDED "P" PERCENT OF TIME

V95 = 1.0
V90 = 1.5
V75 = 2.5
V70 = 2.8
V50 = 4.6
V25 = 11.0
V10 = 27.0

STATION NUMBER 01064500

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND

MEAN

SACO RIVER NEAR CONWAY, NH

YEAR	1	3	7	14	30	60	90	120	183
1905	120,00 26	133,00 30	150,00 35	180,00 40	194,00 35	233,00 30	255,00 28	321,00 28	385,00 23
1906	182,00 49	197,00 49	218,00 50	250,00 51	353,00 53	435,00 51	650,00 54	664,00 54	668,00 42
1907	108,00 19	116,00 22	124,00 20	129,00 20	143,00 15	181,00 17	256,00 29	292,00 26	310,00 10
1908	144,00 38	147,00 39	153,00 38	162,00 31	209,00 39	287,00 43	370,00 46	471,00 46	903,00 54
1909	144,00 39	146,00 36	148,00 33	152,00 29	170,00 26	177,00 15	183,00 11	196,00 8	266,00 6
1930	71,00 2	75,00 2	80,00 2	92,00 4	126,00 10	135,00 5	143,00 2	190,00 6	213,00 2
1931	120,00 27	131,00 2[illegible]	135,00 28	143,00 27	168,00 24	183,00 18	199,00 16	291,00 25	357,00 20
1932	148,00 40	151,00 40	167,00 42	195,00 44	237,00 42	264,00 38	209,00 32	324,00 29	364,00 21
1933	128,00 31	129,00 28	140,00 29	168,00 33	260,00 45	292,00 44	323,00 38	357,00 36	756,00 46
1934	113,00 23	117,00 23	129,00 23	135,00 23	179,00 27	222,00 27	241,00 24	288,00 24	323,00 13
1935	99,00 10	101,00 10	104,00 10	111,00 11	133,00 13	186,00 19	227,00 20	341,00 32	506,00 32
1936	110,00 20	115,00 20	134,00 27	176,00 38	193,00 33	251,00 36	248,00 27	273,00 20	347,00 18
1937	93,00 6	95,00 8	98,00 8	107,00 8	123,00 7	141,00 7	151,00 5	185,00 3	337,00 15
1938	102,00 11	104,00 14	110,00 15	122,00 15	170,00 25	242,00 34	258,00 30	344,00 34	748,00 47
1939	161,00 43	168,00 43	182,00 46	220,00 48	263,00 47	332,00 49	344,00 43	434,00 45	613,00 40
1940	102,00 12	102,00 11	106,00 12	119,00 13	123,00 8	132,00 3	137,00 1	197,00 9	240,00 5
1941	126,00 30	137,00 32	149,00 34	169,00 34	212,00 40	296,00 45	351,00 44	350,00 35	499,00 31
1942	140,00 36	142,00 35	146,00 31	154,00 30	195,00 36	239,00 33	267,00 31	330,00 30	372,00 22
1943	105,00 17	108,00 17	111,00 16	114,00 12	130,00 12	161,00 11	197,00 14	234,00 16	414,00 25
1944	170,00 47	205,00 51	221,00 52	232,00 49	241,00 43	250,00 35	284,00 34	341,00 33	723,00 45
1945	151,00 41	157,00 41	162,00 40	183,00 43	186,00 31	264,00 37	328,00 40	376,00 41	442,00 28
1946	182,00 48	185,00 47	198,00 47	210,00 46	262,00 46	322,00 48	440,00 49	535,00 50	580,00 37
1947	162,00 44	169,00 44	178,00 45	206,00 45	283,00 51	498,00 53	533,00 52	605,00 52	675,00 43
1948	102,00 13	102,00 12	104,00 11	107,00 9	112,00 4	122,00 2	149,00 3	194,00 7	195,00 1
1949	79,00 3	79,00 3	83,00 3	92,00 5	93,00 1	136,00 6	154,00 6	175,00 1	357,00 19
1950	80,00 4	83,00 5	84,00 4	88,00 2	108,00 3	149,00 8	198,00 15	226,00 15	315,00 11
1951	102,00 14	105,00 15	109,00 13	122,00 16	152,00 19	211,00 25	205,00 17	240,00 17	452,00 29
1952	308,00 54	317,00 54	332,00 54	369,00 54	450,00 54	521,00 54	555,00 53	566,00 51	764,00 48
1953	116,00 24	119,00 24	130,00 24	133,00 21	137,00 14	160,00 10	177,00 10	188,00 4	309,00 9
1954	103,00 15	103,00 13	109,00 14	128,00 19	165,00 23	178,00 16	218,00 19	216,00 14	307,00 8
1955	195,00 51	197,00 50	210,00 49	250,00 50	308,00 52	441,00 52	495,00 50	623,00 53	878,00 53
1956	95,00 7	95,00 6	96,00 6	99,00 6	115,00 5	275,00 40	334,00 42	361,00 37	427,00 27
1957	186,00 50	192,00 4[illegible]	209,00 48	214,00 47	249,00 44	381,00 50	511,00 51	520,00 48	529,00 34
1958	80,00 5	81,00 4	84,00 5	89,00 3	100,00 2	109,00 1	149,00 4	210,00 12	342,00 16
1959	95,00 8	95,00 7	97,00 7	110,00 10	128,00 11	162,00 12	190,00 12	208,00 11	271,00 7
1960	66,00 1	67,00 1	74,00 1	86,00 1	150,00 18	217,00 26	327,00 39	335,00 31	593,00 39
1961	107,00 18	109,00 18	116,00 19	125,00 17	161,00 21	274,00 39	388,00 48	403,00 43	517,00 33
1962	105,00 16	108,00 16	114,00 17	128,00 18	149,00 16	169,00 13	169,00 8	202,00 10	219,00 3
1963	139,00 35	147,00 37	157,00 39	180,00 41	205,00 38	233,00 31	242,00 25	273,00 21	775,00 49

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STATION NUMBER 01064500

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
SACO RIVER NEAR CONWAY, NH

YEAR	1		3		7		14		30		60		90		120		183	
1964	96.00	9	98.00	9	101.00	9	103.00	7	120.00	6	134.00	4	162.00	7	175.00	2	472.00	30
1965	113.00	21	114.00	19	116.00	18	120.00	14	125.00	9	155.00	9	172.00	9	189.00	5	228.00	4
1966	113.00	22	116.00	21	125.00	21	135.00	22	150.00	17	188.00	21	215.00	18	286.00	23	345.00	17
1967	138.00	34	139.00	34	147.00	32	172.00	36	183.00	29	201.00	22	236.00	22	283.00	22	584.00	38
1968	117.00	25	120.00	25	127.00	22	137.00	24	154.00	20	175.00	14	240.00	23	307.00	27	413.00	24
1969	136.00	33	137.00	33	142.00	30	148.00	28	164.00	22	187.00	20	192.00	13	212.00	13	317.00	12
1970	161.00	42	162.00	42	166.00	41	176.00	39	194.00	34	223.00	28	306.00	36	476.00	47	76[illegible].00	50
1971	122.00	28	124.00	26	131.00	25	142.00	26	180.00	28	207.00	24	231.00	21	269.00	19	419.00	26
1972	143.00	37	147.00	38	152.00	37	163.00	32	214.00	41	233.00	32	244.00	26	260.00	18	331.00	14
1973	165.00	45	170.00	45	172.00	44	182.00	42	203.00	37	276.00	41	321.00	37	375.00	40	560.00	36
1974	170.00	46	170.00	46	171.00	43	175.00	37	279.00	50	318.00	47	377.00	47	526.00	49	877.00	52
1975	203.00	52	212.00	52	220.00	51	254.00	52	265.00	48	307.00	46	357.00	45	385.00	42	534.00	35
1976	130.00	32	135.00	31	151.00	36	170.00	35	191.00	32	231.00	29	287.00	35	374.00	39	646.00	41
1977	224.00	53	234.00	53	259.00	53	273.00	53	274.00	49	287.00	42	332.00	41	420.00	44	705.00	44
1978	125.00	29	128.00	27	132.00	26	141.00	25	186.00	30	203.00	23	277.00	33	365.00	38	801.00	51

STATION NUMBER 01064500

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
SACO RIVER NEAR CONWAY, NH

NUMBER OF DAYS IN CLASS

CLASS / YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1964				2	37	31	30	18	16	30	44	33	16	8	15	14	17	5
1965				11	27	28	41	39	37	49	31	20	18	8	8	7	15	5
1966					2	21	29	31	38	38	31	29	21	22	23	20	11	7
1967				2	10	22	17	72	29	28	28	13	19	19	11	12	13	16
1968					3	20	17	20	32	50	36	26	19	15	30	18	16	11
1969					3	13	26	24	48	86	24	21	24	9	10	7	8	4
1970					6	20	38	29	18	21	29	44	32	18	10	12	15	7
1971						9	19	41	31	53	48	39	21	15	15	5	10	5
1972						5	38	47	45	39	32	34	28	17	9	9	13	3
1973							4	22	22	13	24	26	30	28	30	11	27	16
1974							16	25	34	29	19	29	23	29	29	19	22	9
1975					2	14	21	17	60	33	37	29	17	28	23	9	18	7
1976								3	17	41	35	31	37	22	24	26	31	19
1977					7	18	17	14	53	42	24	23	26	16	16	19	26	9
1978				19	16	15	15	9	17	17	18	24	21	29	36	26	17	11

CLASS / YEAR	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
1964	19	7	9	4	3	3	2		1		1			1		
1965	7	7	5	1	1											
1966	15	8	9	8	1	1										
1967	28	11	7	2	2	1	1			1	1					
1968	11	11	14	6	9			1					1			
1969	6	5	3	7	8	7	8	7	3	3		1				
1970	14	7	10	7	4	8	8	4	2		2					
1971	10	6	7	14	4	8	3	1			1					
1972	5	3	11	9	4	5	3	5	2							
1973	38	18	12	11	12	7	7	1	2	2		1	1			
1974	22	11	14	12	10	4	3	3	1	1		1				
1975	11	6	9	11	8	4	1									
1976	23	14	13	11	6	6	4	2			1					
1977	14	8	7	8	6	2	6	2			1	1				
1978	16	9	12	13	3	10	3	2	4	2	1					

CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	20089	100.0
1	66.00	11	20089	100.0
2	80.00	69	20078	99.9
3	96.00	288	20009	99.6
4	120.00	452	19721	98.2
5	140.00	926	19269	95.9
6	170.00	1338	18343	91.3
7	210.00	1424	17005	84.6
8	250.00	1768	15581	77.6
9	300.00	1782	13813	68.8
10	360.00	1832	12031	59.9
11	440.00	1548	10199	50.8
12	530.0	1379	8651	43.1
13	640.0	1095	7272	36.2
14	770.0	966	6177	30.7
15	930.0	705	5211	25.9
16	1100.0	927	4506	22.4
17	1400.0	495	3579	17.8
18	1600.0	733	3084	15.4
19	2000.0	506	2351	11.7
20	2400.0	485	1845	9.2
21	2900.0	400	1360	6.8
22	3500.0	303	960	4.8
23	4200.0	234	657	3.3
24	5100	176	423	2.1
25	6200	104	247	1.2
26	7400	60	143	.7
27	9000	38	83	.4
28	11000	17	45	.2
29	13000	18	28	.1
30	16000	7	10	
31	19000	1	3	
32	23000		2	
33	28000	2	2	
34	34000			

VALUE EXCEEDED "P" PERCENT OF TIME

	CFS	CSM
V95 =	150.00	0.389
V90 =	180.00	0.466
V75 =	260.00	0.673
V70 =	290.00	0.751
V50 =	450.00	1.17
V25 =	980.00	2.54
V10 =	2300.00	5.96

STATION NUMBER 01064800

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND

MEAN

COLD BROOK AT SOUTH TAMWORTH, NH

YEAR	1		3		7		14		30		60		90		120		183	
1965	0.23	4	0.27	5	0.36	5	0.47	6	0.50	5	0.96	6	1.19	6	1.30	4	1.50	1
1966	0.07	1	0.08	1	0.10	1	0.11	1	0.13	1	0.22	1	0.27	1	0.67	1	1.80	2
1967	0.11	2	0.14	2	0.19	2	0.24	2	0.35	2	0.65	4	0.86	3	1.50	5	4.90	6
1968	0.20	3	0.20	3	0.25	3	0.30	4	0.35	3	0.63	3	0.68	4	1.19	3	2.90	4
1969	0.24	5	0.24	4	0.25	4	0.28	3	0.38	4	0.51	2	0.60	2	0.83	2	4.00	5
1970	0.83	9	0.89	9	1.00	9	1.40	9	1.80	9	2.60	9	3.70	9	4.20	9	8.60	9
1971	0.41	7	0.43	7	0.45	7	0.50	7	0.74	7	1.00	7	1.19	7	1.70	7	7.10	8
1972	0.33	6	0.36	6	0.43	6	0.47	5	0.65	6	0.87	5	1.10	5	1.50	6	2.70	3
1973	0.52	8	0.57	8	0.66	8	0.77	8	1.10	8	2.00	8	2.70	8	4.00	8	6.90	7

STATION NUMBER 01064800

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
COLD BROOK AT SOUTH TAMWORTH, NH

NUMBER OF DAYS IN CLASS

CLASS / YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1964					3	31	14	38	21	11	18	16	11	24	20	11	17	29
1965		2	10	26	27	13	6	3	17	18	15	22	34	29	20	21	18	16
1966				8	8	25	15	6	11	3	16	15	27	41	46	21	13	17
1967					12	15	13	5	3	3	10	6	40	49	37	39	23	10
1968					14	11	29	6	8	12	15	3	31	57	28	9	12	27
1969						2	11	2	14	5	12	9	32	66	47	38	25	18
1970							17	7	15	22	24	27	14	35	42	23	19	22
1971						11	22	8	13	9	8	18	5	46	30	30	27	29
1972							2	3	7	6	15	17	35	49	43	45	36	14
1973							5	5	18	16	12	13	8	13	10	19	33	25

CLASS / YEAR	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1964	18	21	12	9	4	6	13	7	7	1		1	2		1		
1965	14	9	9	2	8	13	7	4		2							
1966	10	19	21	14	11	5	8	5									
1967	11	21	8	9	17	18	8	3	1	2	1	1					
1968	19	25	13	7	10	5	11	8	5			1					
1969	6	11	14	8	5	4	6	11	6	4	1	3	3	2			
1970	18	18	9	9	4	9	8	7	5	6	3		2				
1971	22	21	11	7	9	5	10	11	9	2		1	1				
1972	15	19	13	6	6	13	9	11	2								
1973	20	29	23	25	17	27	15	17	4	4	2	2	1	1	1		

CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	3653	100.0
1	0.1	2	3653	100.0
2	0.1	10	3651	99.9
3	0.1	34	3641	99.7
4	0.2	64	3607	98.7
5	0.3	108	3543	97.0
6	0.4	134	3435	94.0
7	0.6	83	3301	90.4
8	0.7	127	3218	88.1
9	0.9	105	3091	84.6
10	1.2	145	2986	81.7
11	1.6	146	2841	77.8

CLASS	VALUE	TOTAL	ACCUM	PERCT
12	2.0	237	2695	73.8
13	2.6	409	2458	67.3
14	3.4	323	2049	56.1
15	4.4	256	1726	47.2
16	5.7	223	1470	40.2
17	7.3	207	1247	34.1
18	9.5	153	1040	28.5
19	12.0	193	887	24.3
20	16.0	133	694	19.0
21	21.0	96	561	15.4
22	27.0	91	465	12.7
23	34.0	105	374	10.2

CLASS	VALUE	TOTAL	ACCUM	PERCT
24	45.0	95	269	7.3
25	58.0	84	174	4.7
26	75.0	39	90	2.4
27	97.0	21	51	1.3
28	130.0	7	30	.8
29	160.0	9	23	.6
30	210.0	9	14	.3
31	270.0	3	5	.1
32	350.0	2	2	
33				
34				

VALUE EXCEEDED "P" PERCENT OF TIME

V05 = 0.4
V90 = 0.6
V75 = 1.9
V70 = 2.3
V50 = 4.1
V25 = 12.0
V10 = 35.0

STATION NUMBER 01065000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
OSSIPEE RIVER AT EFFINGHAM FALLS, NH

YEAR	1		3		7		14		30		60		90		120		183	
1944	182.00	31	186.00	30	197.00	31	219.00	30	273.00	32	275.00	26	296.00	24	371.00	30	461.00	26
1945	11.00	1	29.00	1	63.00	2	130.00	9	250.00	30	299.00	30	300.00	25	341.00	26	398.00	21
1946	272.00	36	280.00	36	301.00	36	305.00	36	329.00	35	357.00	34	376.00	33	394.00	33	542.00	32
1947	189.00	32	189.00	31	201.00	33	246.00	33	291.00	33	377.00	35	402.00	34	478.00	34	491.00	29
1948	91.00	8	92.00	7	97.00	4	101.00	2	111.00	1	134.00	2	146.00	1	147.00	1	191.00	3
1949	90.00	7	91.00	6	105.00	5	117.00	6	148.00	7	174.00	9	171.00	6	189.00	8	242.00	7
1950	144.00	17	144.00	17	145.00	16	152.00	16	159.00	11	182.00	13	196.00	13	198.00	10	217.00	6
1951	158.00	21	158.00	21	158.00	18	160.00	17	164.00	13	164.00	6	168.00	5	178.00	6	260.00	11
1952	173.00	29	174.00	28	189.00	28	303.00	35	318.00	34	464.00	36	492.00	36	492.00	35	556.00	33
1953	177.00	30	178.00	29	178.00	27	180.00	25	184.00	21	186.00	15	190.00	11	208.00	13	277.00	12
1954	135.00	16	135.00	16	136.00	15	142.00	14	150.00	8	177.00	11	192.00	12	198.00	11	212.00	4
1955	195.00	33	263.00	35	287.00	35	300.00	34	335.00	36	347.00	33	439.00	35	610.00	36	723.00	36
1956	117.00	11	117.00	10	118.00	9	122.00	7	190.00	23	286.00	28	322.00	27	322.00	24	426.00	24
1957	235.00	35	236.00	34	238.00	34	240.00	32	243.00	29	259.00	23	330.00	29	363.00	29	411.00	22
1958	83.00	6	85.00	5	86.00	3	92.00	1	116.00	2	128.00	1	180.00	8	176.00	5	251.00	8
1959	105.00	9	105.00	8	106.00	6	111.00	3	170.00	17	176.00	10	205.00	15	210.00	14	259.00	10
1960	122.00	13	129.00	14	129.00	12	140.00	13	168.00	15	169.00	8	176.00	7	190.00	9	307.00	16
1961	166.00	26	167.00	26	168.00	24	189.00	26	207.00	26	261.00	24	339.00	31	388.00	32	495.00	30
1962	21.00	2	44.00	3	106.00	7	132.00	10	150.00	9	215.00	21	248.00	21	235.00	18	281.00	14
1963	166.00	27	166.00	25	167.00	23	169.00	22	196.00	24	223.00	22	221.00	19	248.00	20	464.00	27
1964	115.00	10	115.00	9	115.00	8	116.00	5	122.00	3	179.00	12	186.00	10	185.00	7	283.00	15
1965	25.00	3	33.00	2	52.00	1	115.00	4	143.00	6	151.00	5	152.00	4	167.00	4	179.00	1
1966	133.00	15	133.00	15	134.00	14	135.00	11	142.00	4	148.00	4	151.00	2	162.00	2	214.00	5
1967	160.00	22	161.00	22	162.00	21	163.00	19	164.00	14	168.00	7	183.00	9	210.00	15	341.00	18
1968	171.00	28	173.00	27	174.00	25	175.00	24	183.00	20	207.00	20	214.00	17	226.00	16	279.00	13
1969	59.00	5	80.00	4	120.00	10	147.00	15	178.00	19	194.00	18	198.00	14	208.00	12	322.00	17
1970	148.00	18	149.00	18	158.00	19	233.00	31	267.00	31	308.00	31	338.00	30	377.00	31	497.00	31
1971	157.00	20	157.00	20	158.00	20	160.00	18	163.00	12	184.00	14	211.00	16	232.00	17	387.00	20
1972	120.00	12	120.00	11	123.00	11	123.00	8	150.00	10	201.00	19	221.00	18	237.00	19	254.00	9
1973	160.00	23	162.00	23	192.00	29	199.00	29	223.00	27	275.00	27	265.00	22	292.00	22	424.00	23
1974	165.00	24	192.00	32	196.00	30	197.00	27	237.00	28	330.00	32	326.00	28	360.00	28	664.00	35
1975	197.00	34	198.00	33	198.00	32	199.00	28	202.00	25	261.00	25	306.00	26	315.00	23	368.00	19
1976	165.00	25	165.00	24	166.00	22	166.00	20	170.00	16	191.00	16	273.00	23	346.00	27	455.00	25
1977	154.00	19	155.00	19	156.00	17	168.00	21	189.00	22	294.00	29	346.00	32	323.00	25	484.00	28
1978	47.00	4	127.00	12	174.00	26	174.00	23	175.00	18	192.00	17	235.00	20	269.00	21	569.00	34
1979	127.00	14	127.00	13	132.00	13	135.00	12	142.00	5	145.00	3	152.00	3	164.00	3	188.00	2

STATION NUMBER 01065000

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
OSSIPEE RIVER AT EFFINGHAM FALLS, NH

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	13514	100.0	12	110.0	117	13407	99.2	24	1300	450	1714	12.6
1	11.00	1	13514	100.0	13	130.0	559	13290	98.3	25	1600	311	1264	9.3
2	14.00	0	13513	100.0	14	160.0	1337	12731	94.2	26	1900	386	953	7.0
3	17.00	0	13513	100.0	15	200.0	827	11394	84.3	27	2400	298	567	4.1
4	20.00	2	13513	100.0	16	240.0	1382	10567	78.2	28	2900	155	269	1.9
5	25.00	3	13511	100.0	17	300.0	1155	9185	68.0	29	3600	72	114	.8
6	31.00	2	13508	100.0	18	370.0	1255	8030	59.4	30	4400	26	42	.3
7	38.00	1	13506	99.9	19	450.0	1457	6775	50.1	31	5400	8	16	.1
8	47.00	3	13505	99.9	20	560.0	882	5318	39.4	32	6600	3	8	
9	57.00	2	13502	99.9	21	680.0	1142	4436	32.8	33	8100	4	5	
10	70.00	5	13500	99.9	22	840.0	667	3294	24.4	34	10000	1	1	
11	87.00	88	13495	99.9	23	1000.0	913	2627	19.4					

VALUE EXCEEDED "P" PERCENT OF TIME

V95 = 150.00
V90 = 180.00
V75 = 260.00
V70 = 290.00
V50 = 450.00
V25 = 830.00
V10 = 1500.00

STATION NUMBER 01072850

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND

MEAN

MOHAWK BROOK NEAR CENTER STRAFFORD, NH

YEAR	1		3		7		14		30		60		90		120		183	
1966	0.00	1	0.00	1	0.00	1	0.00	1	0.00	1	0.01	1	0.05	1	0.36	1	1.10	1
1967	0.00	2	0.00	2	0.02	5	0.05	5	0.21	7	0.46	6	0.82	6	1.19	7	3.60	6
1968	0.27	11	0.31	11	0.41	11	0.47	10	0.62	10	1.19	10	1.50	10	2.20	9	4.80	11
1969	0.00	3	0.00	3	0.00	2	0.02	3	0.11	5	0.30	4	0.45	4	0.64	4	4.70	10
1970	0.08	9	0.09	9	0.11	9	0.14	8	0.82	11	1.90	11	2.40	11	2.60	11	3.60	7
1971	0.00	4	0.01	6	0.03	6	0.06	6	0.08	4	0.20	2	0.26	2	0.48	2	1.80	4
1972	0.00	5	0.00	4	0.01	4	0.03	4	0.07	3	0.55	8	0.87	7	0.77	5	1.10	2
1973	0.46	12	0.50	12	0.69	12	0.87	12	1.80	12	4.20	12	5.50	12	6.20	12	8.10	12
1974	0.05	7	0.06	7	0.07	7	0.13	7	0.22	8	0.37	5	1.19	8	2.00	8	4.00	8
1975	0.00	6	0.00	5	0.00	3	0.00	2	0.03	2	0.24	3	0.40	3	0.62	3	1.80	3
1976	0.07	8	0.08	8	0.11	8	0.15	9	0.20	6	0.50	7	0.68	5	2.30	10	4.60	9
1977	0.25	10	0.25	10	0.25	10	0.48	11	0.56	9	0.67	9	1.30	9	1.19	6	2.10	5

STATION NUMBER 01072850

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
MOHAWK BROOK NEAR CENTER STRAFFORD, NH

NUMBER OF DAYS IN CLASS

CLASS / YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1965	83	1	2	2		4		12	13	9	16	4	5	6	4	40	24	29	16	22	19	14	20	9	6	5									
1966	3	1	1	2	1	4	1	5	11	25	14	17	20	15	15	30	52	20	13	25	24	14	29	8	12	2	1								
1967									1	4	12	7	10	9	10	13	25	49	54	42	37	26	22	17	12	7	3	4		1					
1968	8	1		1	2	2		14	6	12	10	5	10	30	15	26	17	18	50	42	35	14	17	10	11	4	4	1		1					
1969						1	2	11	7	4	21	22	27	12	14	11	11	16	56	51	26	16	9	14	11	9	8	3	2	1					
1970	1	3		1	2	8	9	20	14	11	7	9	6	14	28	18	2	19	40	34	22	20	18	19	19	6	5	4	3	2	1				
1971	3	10	2	2	4	8	3	27	14	9	14	10	11	5	8	11	17	24	53	27	23	19	16	21	10	6	8								
1972						6		3			10	5	28	9	15	19	18	18	36	45	37	28	29	22	25	11	2								
1973					1	5	1	4	11	11	14	7	9	10	12	19	17	19	25	36	40	30	33	26	14	13	4	2	1			1			
1974	18		1	2	5			9	18	13	25	7	8	12	13	18	15	21	20	18	33	25	34	22	12	7	6	3							
1975						4	2	13	9	12	21	15	26	18	13	24	15	20	35	38	34	20	20	9	6	5	1	1	2	1	1				
1976									1	10	15	19	26	18	15	7	12	13	15	47	43	37	34	22	18	7	6	1							

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	116	4383	100.0	12	0.8	186	3511	80.1	24	38.0	156	322	7.3
1	0.0	16	4267	97.4	13	1.2	158	3325	75.9	25	52.0	82	166	3.7
2	0.0	6	4251	97.0	14	1.6	162	3167	72.3	26	72.0	48	84	1.9
3	0.0	10	4245	96.9	15	2.2	236	3005	68.6	27	99.0	19	36	.8
4	0.0	15	4235	96.6	16	3.0	225	2769	63.2	28	140.0	8	17	.3
5	0.1	42	4220	96.3	17	4.1	266	2544	58.0	29	190.0	6	9	.2
6	0.1	18	4178	95.3	18	5.7	413	2278	52.0	30	260.0	2	3	
7	0.1	118	4160	94.9	19	7.8	427	1865	42.6	31	350.0	1	1	
8	0.2	105	4042	92.2	20	11.0	373	1438	32.8	32				
9	0.3	120	3937	89.8	21	15.0	263	1065	24.3	33				
10	0.4	179	3817	87.1	22	20.0	281	802	18.3	34				
11	0.6	127	3638	83.0	23	28.0	199	521	11.9					

VALUE EXCEEDED "P" PERCENT OF TIME

V95 = 0.1
V90 = 0.3
V75 = 1.3
V70 = 2.0
V50 = 6.1
V25 = 15.0
V10 = 32.0

STATION NUMBER 01073000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
OYSTER RIVER NEAR DURHAM, NH

YEAR	1		3		7		14		30		60		90		120		183	
1936	0.80	25	0.80	24	0.86	23	0.94	25	1.10	24	2.00	30	2.00	28	2.20	20	4.40	18
1937	0.50	11	0.60	15	0.66	16	0.71	12	0.82	14	0.86	9	0.97	6	1.10	7	1.60	5
1938	0.90	31	0.90	29	0.93	29	0.98	27	1.10	25	1.30	22	1.30	11	1.90	17	6.50	29
1939	2.20	44	2.60	44	3.30	44	3.80	44	5.20	44	10.00	44	14.00	44	16.00	43	18.00	43
1940	0.70	19	0.70	18	0.76	18	0.79	18	1.00	21	1.10	16	1.70	22	1.70	14	3.20	12
1941	0.96	32	0.99	32	1.00	32	1.19	32	1.30	30	2.00	31	1.90	25	3.30	31	6.40	27
1942	0.53	14	0.54	12	0.59	12	0.61	8	0.64	5	0.66	3	0.73	1	0.78	1	1.10	1
1943	0.82	26	0.83	26	0.89	25	0.91	24	1.10	26	1.10	17	1.80	23	2.90	29	4.30	16
1944	0.68	18	0.73	19	0.80	21	0.83	19	1.00	22	1.50	25	3.00	33	2.80	27	6.50	28
1945	0.55	15	0.60	16	0.63	14	0.74	14	0.79	11	1.90	28	4.40	38	5.10	34	6.80	31
1946	1.50	41	1.60	41	1.70	41	2.40	42	2.80	41	3.20	39	4.30	37	5.90	40	12.00	41
1947	0.83	27	0.85	27	0.92	27	1.10	28	1.60	32	3.80	41	4.60	39	5.60	38	5.30	25
1948	0.88	30	0.91	30	0.93	28	0.96	26	0.98	18	1.10	18	1.50	16	3.30	30	3.80	14
1949	0.61	17	0.61	17	0.66	15	0.71	13	0.81	12	1.00	10	1.30	12	2.20	21	5.60	26
1950	0.39	2	0.40	1	0.45	3	0.50	2	0.55	1	0.62	1	0.78	3	0.92	5	2.20	7
1951	0.46	8	0.47	5	0.49	4	0.56	4	0.60	2	0.78	5	1.10	7	1.19	8	2.60	10
1952	1.60	42	1.70	42	2.20	43	2.50	43	3.00	42	4.10	42	4.60	40	5.00	33	8.60	35
1953	1.30	37	1.30	37	1.40	38	1.50	37	1.70	34	1.90	29	2.00	26	2.30	22	3.00	15
1954	0.51	12	0.53	10	0.57	10	0.64	10	0.74	10	0.84	8	1.10	8	1.10	6	2.70	11
1955	1.70	43	1.70	43	1.70	42	2.10	41	4.20	43	4.70	43	7.40	43	18.00	44	21.00	44
1956	0.83	28	0.86	28	0.89	26	1.10	29	1.19	27	2.20	33	2.10	29	2.90	28	6.90	32
1957	0.97	33	0.99	33	1.10	33	1.10	30	1.19	28	1.50	26	2.00	27	2.60	24	4.60	21
1958	0.50	9	0.53	11	0.57	11	0.62	9	0.64	6	0.66	2	0.75	2	0.90	3	1.80	6
1959	1.30	38	1.30	38	1.30	35	1.40	33	1.60	33	2.10	32	2.30	30	2.70	25	4.90	23
1960	1.30	39	1.30	39	1.40	39	1.60	39	1.80	35	3.10	38	3.70	35	5.80	39	8.60	36
1961	1.10	36	1.10	35	1.30	36	1.40	34	2.30	39	2.70	35	3.40	34	6.00	41	9.50	39
1962	1.50	40	1.50	40	1.60	40	1.70	40	2.20	38	2.70	36	4.70	41	5.20	35	7.50	33
1963	0.87	29	0.91	31	0.97	30	1.10	31	1.30	29	1.80	27	2.90	32	4.20	32	13.00	42
1964	0.71	20	0.75	20	0.76	19	0.84	20	0.99	19	1.19	21	1.30	13	1.40	10	4.40	17
1965	0.53	13	0.55	13	0.61	13	0.65	11	0.69	7	0.79	6	0.82	5	0.91	4	1.40	2
1966	0.45	5	0.47	6	0.55	7	0.56	5	0.62	3	0.71	4	0.81	4	0.85	2	1.40	3
1967	0.40	3	0.40	2	0.43	1	0.48	1	0.69	8	0.83	7	1.19	9	1.60	11	4.50	19
1968	0.76	24	0.79	23	0.86	24	0.89	23	1.10	23	1.40	23	1.60	20	1.90	18	5.10	24
1969	0.60	16	0.60	14	0.74	17	0.78	17	0.99	20	1.10	19	1.50	17	1.70	15	8.10	34
1970	1.00	34	1.10	36	1.30	37	1.40	35	2.80	40	3.70	40	5.70	42	6.20	42	6.60	30
1971	0.73	21	0.78	21	0.79	20	0.87	21	1.40	31	1.50	24	1.60	18	2.10	19	4.80	22
1972	0.35	1	0.40	3	0.43	2	0.55	3	0.62	4	1.00	11	1.40	14	1.60	12	2.40	9
1973	1.00	35	1.00	34	1.19	34	1.50	38	1.90	36	2.90	37	4.10	36	5.20	36	12.00	40
1974	0.75	22	0.78	22	0.83	22	0.89	22	0.96	17	1.00	12	1.60	19	2.50	23	4.60	20

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STATION NUMBER 01073000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
OYSTER RIVER NEAR DURHAM, NH

YEAR	1		3		7		14		30		60		90		120		183	
1975	0.45	6	0.47	7	0.52	5	0.57	6	0.73	9	1.10	13	1.40	15	1.70	13	3.70	13
1976	0.76	23	0.81	25	1.00	31	1.40	36	2.00	37	2.40	34	2.80	31	5.60	37	8.90	37
1977	0.50	10	0.51	9	0.55	8	0.76	15	0.94	16	1.19	20	1.80	24	1.90	16	2.30	8
1978	0.41	4	0.46	4	0.52	6	0.61	7	0.81	13	1.10	14	1.70	21	2.80	26	9.00	38
1979	0.46	7	0.49	8	0.56	9	0.76	16	0.91	15	1.10	15	1.19	10	1.19	9	1.60	4

B-22

STATION NUMBER 01073000

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
OYSTER RIVER NEAR DURHAM, NH

NUMBER OF DAYS IN CLASS

CLASS / YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1976				3	3	19	15	11	20	27	5	2	5	12	5	7	4
1977			2	19	5	17	19	8	19	31	80	28	16	12	8	6	7
1978			1	4	3	24	20	23	11	10	6	2	1	4	7	25	18
1979				2	3	21	26	29	22	30	23	10	16	6	7	10	13

CLASS / YEAR	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
1976	19	32	31	29	32	23	25	18	11	5	3						
1977	14	14	7	8	4	4	3	9	10	5	5	2	1	1			
1978	26	33	28	27	17	10	15	15	15	8	7	2	2	1			
1979	16	17	14	11	11	24	15	10	12	8	2	3	1	1	2		

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	16071	100.0	12	4.0	636	10740	66.8	24	56	446	1303	8.1
1	0.30	4	16071	100.0	13	5.0	625	10104	62.9	25	70	334	857	5.3
2	0.40	40	16067	100.0	14	6.2	627	9479	59.0	26	87	236	523	3.2
3	0.50	359	16027	99.7	15	7.7	853	8852	55.1	27	110	131	287	1.7
4	0.70	231	15668	97.5	16	9.6	830	7999	49.8	28	140	61	156	.9
5	0.80	862	15437	96.1	17	12.0	1114	7169	44.6	29	170	39	95	.5
6	1.10	574	14575	90.7	18	15.0	1057	6055	37.7	30	210	24	56	.3
7	1.30	697	14001	87.1	19	19.0	821	4998	31.1	31	260	22	32	.1
8	1.60	630	13304	82.8	20	23.0	860	4177	26.0	32	330	5	10	
9	2.00	731	12674	78.9	21	29.0	762	3317	20.6	33	410	3	5	
10	2.60	630	11943	74.3	22	36.0	670	2555	15.9	34	510	2	2	
11	3.20	573	11313	70.4	23	45.0	582	1885	11.7					

VALUE EXCEEDED "P" PERCENT OF TIME

	CFS	CSM
V95 =	0.90	0.074
V90 =	1.10	0.091
V75 =	2.50	0.21
V70 =	3.30	0.27
V50 =	9.50	0.78
V25 =	24.00	1.98
V10 =	50.00	4.13

STATION NUMBER 01073600

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND

MEAN

DUDLEY BROOK NEAR EXETER, NH

YEAR	1		3		7		14		30		60		90		120		183	
1964	0.03	9	0.04	9	0.04	8	0.05	6	0.07	8	0.09	7	0.11	4	0.14	1	1.10	8
1965	0.02	6	0.02	5	0.03	7	0.05	7	0.06	6	0.07	4	0.10	3	0.17	4	0.28	1
1966	0.01	4	0.01	4	0.02	4	0.02	4	0.04	5	0.07	5	0.08	1	0.14	2	0.36	2
1967	0.00	1	0.00	1	0.00	1	0.01	1	0.01	1	0.04	2	0.10	2	0.26	7	1.10	9
1968	0.08	12	0.08	12	0.09	12	0.11	12	0.24	13	0.42	15	0.63	15	0.74	13	2.40	12
1969	0.09	13	0.09	13	0.10	13	0.15	14	0.26	14	0.32	13	0.35	10	0.43	10	3.50	14
1970	0.05	11	0.05	11	0.05	9	0.05	8	0.11	10	0.37	14	0.35	11	0.60	11	0.89	6
1971	0.00	2	0.00	2	0.00	2	0.01	2	0.02	2	0.03	1	0.12	5	0.29	8	1.10	7
1972	0.00	3	0.00	3	0.01	3	0.02	3	0.03	3	0.05	3	0.16	7	0.16	3	0.52	4
1973	0.47	16	0.49	16	0.54	16	0.64	16	1.00	16	2.50	16	3.60	16	4.80	16	7.40	16
1974	0.10	14	0.11	14	0.11	14	0.12	13	0.14	11	0.18	10	0.52	13	0.69	12	1.70	10
1975	0.21	15	0.22	15	0.22	15	0.24	15	0.26	15	0.29	12	0.43	12	0.90	14	1.80	11
1976	0.02	5	0.03	6	0.05	10	0.08	10	0.18	12	0.21	11	0.63	14	2.00	15	3.20	13
1977	0.04	10	0.04	10	0.06	11	0.08	11	0.10	9	0.14	9	0.22	9	0.21	5	0.49	3
1978	0.03	7	0.03	7	0.03	5	0.06	9	0.07	7	0.10	8	0.20	8	0.33	9	3.60	15
1979	0.03	8	0.03	8	0.03	6	0.04	5	0.04	4	0.09	6	0.12	6	0.24	6	0.57	5

STATION NUMBER 01073600

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
DUDLEY BROOK NEAR EXETER, NH

NUMBER OF DAYS IN CLASS

CLASS / YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1963				1	7	20	13	48	8	6	7	9	6	5	48	50	13	14	20	8	8	16	14	17	6	6	8	1	3	2	1				
1964			2	10	15	36	14	49	9	7	3	4	2	11	31	19	39	12	11	14	10	16	12	8	12	10	5	4	1						
1965		4	4	3	12	18	23	53	28	13	4	8	8	22	32	29	13	22	17	11	5	8	13	4	3	5	2	1							
1966	11	27	7	11	5	6	8	35	18	13	7	16	37	17	19	12	24	17	14	11	10	11	6	6	8	7	2								
1967							5	11	4	11	10	24	18	20	44	52	34	16	18	16	8	26	12	9	6	8	5	5	2	1					
1968							4	28	19	18	13	10	9	8	33	38	26	38	29	18	12	15	13	12	13	2	4	2	1			1			
1969					8	12	11	28	22	17	14	19	8	8	11	20	49	36	17	14	17	12	8	6	9	9	3	5	2						
1970	5	36	2	11	2	3	3	8	8	6	13	24	11	9	14	22	37	22	27	18	20	11	13	8	10	12	6	2		2					
1971	5	14	8	7	11	14	16	12	7	6	3	13	5	12	15	18	41	31	13	16	14	27	17	13	17	8	1	1							
1972					10	6	1	7	10	4	8	14	8	13	14	24	28	21	30	28	24	23	24	30	22	9	7		1						
1973								38	16	8	5	6	1	8	12	21	17	24	25	35	35	32	22	14	17	10	11	5	2			1			
1974								3	65	19	11	20	15	10	12	21	25	13	30	19	18	18	19	19	11	12	3	2							
1975			1	1	4	6	12	19	16	12	2	12	12	16	27	14	17	28	38	38	24	21	16	10	11	6	1		1						
1976					10	16	10	50	7	7	4	7	7	7	5	5	5	14	31	25	39	43	27	24	12	8	2	1							
1977				10	12	9	4	39	13	37	51	30	23	17	15	8	5	11	13	17	9	13	4	5	4	7	5	3			1				
1978				7	24	9	9	28	6	5	5	6	2	3	4	10	8	40	40	32	31	22	21	14	15	6	8	3	4	3					
1979					1	5	3	19	13	29	14	11	22	19	26	21	15	25	20	21	23	17	21	13	12	7	2	4	1	1					

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	21	6209	100.0	12	0.7	194	4236	68.2	24	25.0	188	465	7.4
1	0.0	81	6188	99.7	13	0.9	205	4042	65.1	25	34.0	132	277	4.4
2	0.0	24	6107	98.4	14	1.2	362	3837	61.8	26	46.0	75	145	2.3
3	0.0	61	6083	98.0	15	1.7	384	3475	56.0	27	63.0	39	70	1.1
4	0.0	121	6022	97.0	16	2.3	396	3091	49.8	28	85.0	18	31	.4
5	0.1	160	5901	95.0	17	3.1	384	2695	43.4	29	110.0	9	13	.2
6	0.1	136	5741	92.5	18	4.1	393	2311	37.2	30	160.0	2	4	
7	0.1	475	5605	90.3	19	5.6	341	1918	30.9	31	210.0	2	2	
8	0.2	269	5130	82.6	20	7.6	307	1577	25.4	32				
9	0.3	218	4861	78.3	21	10.0	331	1270	20.5	33				
10	0.4	174	4643	74.8	22	14.0	262	939	15.1	34				
11	0.5	233	4469	72.0	23	19.0	212	677	10.9					

VALUE EXCEEDED "P" PERCENT OF TIME

V95 = 0.1
V90 = 0.1
V75 = 0.4
V70 = 0.6
V50 = 2.3
V25 = 7.8
V10 = 21.0

STATION NUMBER 01074500

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31
DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
EAST BRANCH PEMIGEWASSET RIVER NEAR LINCOLN, NH

YEAR	1		3		7		14		30		60		90		120		183	
1930	40.00	11	42.00	12	44.00	11	46.00	9	[illegible]1.00	9	55.00	7	61.00	6	74.00	7	96.00	4
1931	32.00	6	33.00	5	34.00	5	36.00	5	38.00	4	41.00	3	46.00	3	64.00	4	89.00	2
1932	46.00	18	46.00	15	49.00	16	54.00	18	63.00	17	92.00	18	116.00	20	133.00	17	162.00	15
1933	52.00	21	54.00	21	54.00	20	55.00	19	56.00	12	80.00	15	105.00	15	122.00	15	263.00	24
1934	48.00	19	50.00	20	51.00	18	53.00	13	65.00	18	87.00	17	105.00	16	127.00	16	139.00	10
1935	45.00	15	46.00	16	47.00	13	50.00	11	55.00	10	68.00	10	98.00	13	139.00	19	195.00	17
1936	43.00	13	45.00	13	48.00	14	54.00	14	56.00	11	85.00	16	93.00	12	94.00	10	122.00	6
1937	34.00	8	35.00	6	38.00	6	41.00	6	45.00	6	56.00	8	63.00	7	74.00	8	157.00	13
1938	48.00	20	48.00	17	61.00	21	65.00	21	76.00	20	106.00	21	110.00	18	152.00	20	228.00	23
1939	74.00	23	76.00	23	78.00	23	82.00	23	87.00	21	98.00	20	110.00	19	167.00	21	221.00	19
1940	28.00	4	28.00	2	29.00	2	30.00	2	31.00	2	32.00	2	34.00	2	63.00	2	98.00	5
1941	38.00	9	39.00	9	44.00	12	50.00	12	57.00	13	78.00	13	92.00	11	106.00	11	153.00	12
1942	30.00	5	41.00	10	42.00	9	43.00	7	48.00	8	72.00	12	125.00	21	137.00	18	162.00	14
1943	27.00	2	28.00	3	31.00	3	32.00	3	38.00	5	46.00	4	58.00	5	82.00	9	138.00	9
1944	42.00	12	42.00	11	43.00	10	45.00	8	47.00	7	48.00	5	52.00	4	63.00	3	189.00	16
1945	44.00	14	45.00	14	49.00	15	54.00	15	58.00	14	79.00	14	107.00	17	108.00	13	127.00	8
1946	62.00	22	63.00	22	67.00	22	72.00	22	96.00	24	121.00	23	137.00	23	170.00	22	223.00	20
1947	46.00	16	49.00	18	53.00	19	63.00	20	90.00	22	153.00	24	169.00	24	190.00	24	227.00	21
1948	13.00	1	13.00	1	13.00	1	14.00	1	16.00	1	24.00	1	26.00	1	32.00	1	42.00	1
1949	28.00	3	29.00	4	31.00	4	34.00	4	36.00	3	51.00	6	66.00	8	72.00	6	142.00	11
1950	33.00	7	35.00	7	38.00	7	47.00	10	58.00	15	69.00	11	86.00	10	106.00	12	124.00	7
1951	46.00	17	49.00	19	50.00	17	54.00	16	66.00	19	94.00	19	100.00	14	120.00	14	204.00	18
1952	78.00	24	79.00	24	80.00	24	83.00	24	92.00	23	113.00	22	134.00	22	173.00	23	228.00	22
1953	38.00	10	38.00	8	42.00	8	54.00	17	53.00	16	67.00	9	68.00	9	70.00	5	96.00	3

STATION NUMBER 01074500

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
EAST BRANCH PEMIGEWASSET RIVER NEAR LINCOLN, NH

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	8401	100.0	12	120.0	773	4907	58.4	24	1400.0	104	241	2.8
1	13.0	14	8401	100.0	13	150.0	828	4134	49.2	25	1800.0	44	137	1.6
2	16.0	13	8387	99.8	14	190.0	518	3306	39.4	26	2200.0	39	93	1.1
3	20.0	12	8374	99.7	15	230.0	441	2788	33.2	27	2700.0	29	54	.6
4	24.0	26	8362	99.5	16	280.0	404	2347	27.9	28	3300.0	12	25	.2
5	29.0	120	8336	99.2	17	340.0	383	1943	23.1	29	4000.0	5	13	.1
6	36.0	192	8216	97.8	18	420.0	343	1560	18.6	30	4900.0	2	8	
7	44.0	448	8024	95.5	19	520.0	276	1217	14.5	31	6100.0	3	6	
8	55.0	518	7576	90.2	20	640.0	256	941	11.2	32	7400.0		3	
9	67.0	656	7058	84.0	21	780.0	185	685	8.2	33	9100.0	1	3	
10	82.0	752	6402	76.2	22	960.0	167	500	6.0	34	11000.0	2	2	
11	100.0	743	5650	67.3	23	1200.0	92	333	4.0					

VALUE EXCEEDED "P" PERCENT OF TIME

D.A. = 104 mi^2

	Q	CFS/MI^2
V95 =	45.0	0.433
V90 =	55.0	0.529
V75 =	84.0	0.808
V70 =	94.0	0.904
V50 =	150.0	1.44
V25 =	320.0	3.08
V10 =	700.0	6.73

STATION NUMBER 01075000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
PEMIGEWASSET RIVER AT WOODSTOCK, NH

YEAR	1		3		7		14		30		60		90		120		183	
1941	62.00	11	65.00	12	70.00	16	78.00	18	103.00	22	150.00	28	179.00	26	208.00	24	295.00	21
1942	88.00	32	89.00	31	91.00	30	96.00	30	111.00	28	147.00	26	221.00	30	231.00	26	281.00	18
1943	52.00	5	54.00	5	56.00	4	58.00	4	69.00	4	75.00	2	93.00	3	142.00	10	259.00	16
1944	82.00	28	85.00	28	86.00	27	89.00	23	91.00	16	96.00	10	105.00	9	127.00	7	354.00	29
1945	72.00	24	78.00	25	82.00	24	86.00	21	93.00	17	130.00	21	182.00	27	202.00	22	225.00	9
1946	91.00	33	94.00	32	99.00	32	108.00	34	150.00	35	194.00	32	234.00	31	335.00	37	436.00	36
1947	77.00	27	79.00	26	84.00	25	98.00	31	134.00	34	228.00	35	258.00	35	295.00	31	384.00	31
1948	42.00	1	43.00	1	43.00	1	45.00	1	48.00	1	60.00	1	64.00	1	68.00	1	77.00	1
1949	51.00	3	53.00	3	54.00	3	57.00	3	61.00	2	77.00	3	102.00	5	107.00	3	233.00	12
1950	53.00	6	56.00	6	60.00	6	74.00	15	89.00	14	111.00	14	156.00	20	197.00	20	238.00	13
1951	76.00	26	79.00	27	86.00	26	93.00	25	108.00	25	156.00	30	171.00	23	206.00	23	348.00	27
1952	139.00	37	152.00	37	167.00	37	173.00	37	196.00	37	237.00	37	263.00	36	313.00	34	418.00	35
1953	69.00	23	73.00	23	78.00	23	93.00	26	100.00	21	121.00	18	121.00	11	125.00	6	166.00	5
1954	48.00	2	49.00	2	51.00	2	52.00	2	69.00	3	85.00	5	103.00	6	104.00	2	134.00	2
1955	85.00	30	98.00	35	106.00	36	144.00	36	173.00	36	221.00	34	253.00	34	300.00	33	396.00	32
1956	64.00	15	66.00	15	68.00	13	73.00	13	84.00	9	139.00	25	159.00	21	184.00	18	225.00	10
1957	93.00	34	95.00	33	101.00	33	108.00	32	121.00	31	234.00	36	297.00	37	317.00	35	324.00	23
1958	62.00	12	65.00	13	65.00	9	70.00	7	72.00	5	82.00	4	103.00	7	165.00	16	255.00	15
1959	68.00	21	70.00	21	72.00	19	80.00	19	95.00	20	129.00	20	151.00	19	159.00	14	178.00	7
1960	66.00	17	67.00	16	70.00	17	75.00	16	93.00	18	110.00	13	123.00	12	160.00	15	350.00	28
1961	57.00	7	61.00	8	64.00	8	66.00	5	78.00	6	112.00	15	162.00	22	180.00	17	247.00	14
1962	60.00	9	60.00	7	63.00	7	72.00	9	86.00	11	92.00	8	93.00	2	124.00	5	148.00	3
1963	59.00	8	63.00	9	69.00	14	87.00	22	88.00	12	91.00	6	98.00	4	146.00	12	343.00	25
1964	68.00	22	68.00	19	70.00	15	73.00	10	84.00	10	92.00	7	126.00	14	131.00	8	279.00	17
1965	64.00	16	65.00	14	67.00	11	73.00	11	88.00	13	114.00	16	124.00	13	133.00	9	164.00	4
1966	61.00	10	63.00	10	68.00	12	73.00	12	108.00	26	132.00	22	184.00	28	231.00	27	332.00	24
1967	85.00	31	86.00	29	92.00	31	94.00	27	105.00	23	117.00	17	130.00	15	186.00	19	289.00	19
1968	63.00	13	67.00	17	74.00	20	78.00	17	94.00	19	122.00	19	141.00	16	210.00	25	295.00	20
1969	63.00	14	65.00	11	66.00	10	71.00	8	83.00	8	100.00	11	104.00	8	111.00	4	176.00	6
1970	83.00	29	86.00	30	87.00	28	95.00	28	109.00	27	132.00	23	194.00	29	290.00	30	407.00	34
1971	52.00	4	54.00	4	57.00	5	67.00	6	90.00	15	106.00	12	120.00	10	145.00	11	225.00	11
1972	73.00	25	77.00	24	87.00	29	96.00	29	119.00	30	133.00	24	145.00	17	148.00	13	166.00	8
1973	93.00	35	96.00	34	101.00	34	108.00	33	132.00	32	197.00	33	249.00	33	287.00	29	348.00	26
1974	67.00	18	68.00	18	77.00	21	91.00	24	106.00	24	148.00	27	172.00	24	240.00	28	505.00	37
1975	100.00	36	105.00	36	106.00	35	109.00	35	132.00	33	152.00	29	176.00	25	299.00	32	322.00	22
1976	68.00	19	70.00	22	77.00	22	81.00	20	115.00	29	176.00	31	247.00	32	329.00	36	396.00	33
1977	68.00	20	69.00	20	71.00	18	74.00	14	79.00	7	94.00	9	146.00	18	200.00	21	381.00	30

1976 17 18 27 37 40 51 51 28 29 15 25 13 16 8 9 10 2 5 3 2
1977 12 41 20 17 23 17 15 28 10 32 16 22 23 20 13 12 14 9 4 3 6 2 3 1 2

STATION NUMBER 01075000

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
PEMIGEWASSET RIVER AT WOODSTOCK, NH

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	13880	100.0	12	310.0	832	5707	41.1	24	2700	122	319	2.2
1	42.00	24	13880	100.0	13	370.0	688	4875	35.1	25	3300	72	197	1.4
2	50.00	117	13856	99.8	14	440.0	659	4187	30.2	26	3900	55	125	.9
3	60.00	374	13739	99.0	15	530.0	581	3528	25.4	27	4700	35	70	.5
4	72.00	553	13365	96.3	16	640.0	430	2947	21.2	28	5600	19	35	.2
5	87.00	600	12812	92.3	17	760.0	468	2517	18.1	29	6700	7	16	.1
6	100.00	907	12212	88.0	18	920.0	416	2049	14.8	30	8100	2	9	
7	120.00	1367	11305	81.4	19	1100.0	352	1633	11.8	31	9700	2	7	
8	150.00	1133	9938	71.6	20	1300.0	352	1281	9.2	32	12000	2	5	
9	180.00	940	8805	63.4	21	1600.0	217	929	6.7	33	14000	3	3	
10	210.00	1221	7865	56.7	22	1900.0	248	712	5.1	34	17000			
11	260.00	937	6644	47.9	23	2300.0	145	464	3.3					

VALUE EXCEEDED "P" PERCENT OF TIME

V95 =	77.00	0.399
V90 =	94.00	0.487
V75 =	140.00	0.725
V70 =	160.00	0.829
V50 =	250.00	1.295
V25 =	540.00	2.798
V10 =	1200.00	6.218

STATION NUMBER 01075500

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND

MEAN

BAKER RIVER AT WENTWORTH, NH

YEAR	1		3		7		14		30		60		90		120		183	
1942	12.00	8	12.00	8	12.00	8	14.00	7	22.00	8	26.00	8	34.00	8	42.00	8	48.00	6
1943	7.20	6	7.50	6	8.30	6	8.80	5	10.00	5	14.00	3	20.00	4	26.00	4	50.00	7
1944	19.00	11	19.00	11	20.00	10	21.00	10	22.00	9	22.00	7	24.00	6	31.00	5	68.00	8
1945	7.00	5	7.40	5	7.80	5	8.50	4	9.60	3	17.00	6	25.00	7	34.00	7	43.00	3
1946	14.00	9	14.00	9	15.00	9	16.00	8	26.00	10	43.00	9	58.00	11	86.00	11	106.00	11
1947	9.90	7	11.00	7	12.00	7	16.00	9	21.00	7	44.00	11	48.00	9	60.00	10	78.00	10
1948	6.80	4	7.10	4	7.60	3	7.90	2	8.40	2	9.30	1	11.00	1	14.00	1	15.00	1
1949	5.50	1	5.50	1	6.00	1	6.80	1	7.20	1	10.00	2	12.00	2	14.00	2	34.00	2
1950	6.00	2	6.60	3	7.60	4	10.00	6	13.00	6	16.00	5	23.00	5	32.00	6	46.00	5
1951	6.00	3	6.30	2	6.80	2	8.50	3	10.00	4	15.00	4	20.00	3	25.00	3	44.00	4
1952	17.00	10	19.00	10	24.00	11	26.00	11	31.00	11	43.00	10	52.00	10	49.00	9	69.00	9

STATION NUMBER 01075500

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
BAKER RIVER AT WENTWORTH, NH

NUMBER OF DAYS IN CLASS

CLASS / YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1941						5	11	17	16	31	56	25	33	41	24	15	22	6	15	6	8	3	9	3	8	2	1	4	3		1				
1942			4	9	5	11	13	18	31	20	16	38	33	22	13	20	21	7	22	7	11	5	4	7	6	5	5	2	4	1	2	1		1	1
1943								6	24	24	29	29	27	27	23	24	27	20	22	12	12	9	12	6	9	6	8	4	4		1				
1944			4	17	5	6	7	8	55	57	29	22	11	14	13	5	20	12	18	9	11	4	8	2	10	11	3	2	2				1		
1945							5	11	9	29	41	26	27	32	18	18	21	12	19	12	15	12	18	13	4	7	5	3	6		2				
1946					1	6	6	9	17	10	18	30	22	27	15	20	23	20	33	18	26	8	15	11	6	10	8	2	2		1		1		
1947			5	10	7	9	10	5	6	7	9	13	27	35	23	25	27	15	34	12	27	9	16	8	8	4	7	5			1			1	
1948		8	18	57	21	39	40	35	12	11	6	9	4	5	9	6	9	4	8	8	15	9	6	8	6	4	2	1	1	1	3		1		
1949		2	13	7	10	14	27	24	18	11	34	24	37	23	19	11	7	5	10	12	12	10	9	9	4	2	5	2	1	1		1	1		
1950		2	8	9	5	4	13	15	14	14	29	16	25	26	34	21	21	16	23	3	21	5	20	5	4	4	3				1	1		1	
1951						2	8	1	13	17	35	29	35	43	25	25	26	10	26	4	12	11	6	4	11	4	4	5	5	1	1		2		

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	4017	100.0	12	39.0	281	2394	59.6	24	330.0	76	274	6.8
1	5.5	12	4017	100.0	13	47.0	295	2113	52.6	25	400.0	59	198	4.9
2	6.6	52	4005	99.7	14	56.0	216	1818	45.3	26	480.0	51	139	3.4
3	7.9	109	3953	98.4	15	67.0	190	1602	39.9	27	570.0	30	88	2.1
4	9.4	54	3844	95.7	16	80.0	224	1412	35.2	28	680.0	28	58	1.4
5	11.0	96	3790	94.3	17	96.0	127	1188	29.6	29	820.0	4	30	.7
6	13.0	140	3694	92.0	18	110.0	230	1061	26.4	30	970.0	13	26	.6
7	16.0	149	3554	88.5	19	140.0	103	831	20.7	31	1200.0	3	13	.3
8	19.0	215	3405	84.8	20	160.0	170	728	18.1	32	1400.0	6	10	.2
9	23.0	231	3190	79.4	21	200.0	85	558	13.9	33	1700.0	3	4	
10	27.0	302	2959	73.7	22	230.0	123	473	11.8	34	2000.0	1	1	
11	33.0	263	2657	66.1	23	280.0	76	350	8.7					

VALUE EXCEEDED "P" PERCENT OF TIME

V95 = 10.0
V90 = 15.0
V75 = 26.0
V70 = 30.0
V50 = 50.0
V25 = 120.0
V10 = 260.0

STATION NUMBER 01075800

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND

MEAN

STEVENS BROOK NEAR WENTWORTH, NH

YEAR	1	3	7	14	30	60	90	120	183
1965	0.01 1	0.01 1	0.02 4	0.02 1	0.04 2	0.07 1	0.11 1	0.11 1	0.25 1
1966	0.01 2	0.01 2	0.02 5	0.02 2	0.03 1	0.07 2	0.17 3	0.53 6	1.10 4
1967	0.03 8	0.04 8	0.06 8	0.08 8	0.11 5	0.17 6	0.26 6	0.26 4	1.30 7
1968	0.09 11	0.10 11	0.12 11	0.13 11	0.17 10	0.26 11	0.31 8	0.68 9	1.30 8
1969	0.07 10	0.07 9	0.09 9	0.09 9	0.18 11	0.23 9	0.25 5	0.33 5	1.19 5
1970	0.10 12	0.12 12	0.13 12	0.13 10	0.15 9	0.18 7	0.64 12	2.70 15	3.00 13
1971	0.02 7	0.02 6	0.03 6	0.06 7	0.11 6	0.23 10	0.38 9	0.59 7	1.30 6
1972	0.01 3	0.01 3	0.01 1	0.03 4	0.12 7	0.12 4	0.17 4	0.18 2	0.35 2
1973	0.13 13	0.14 14	0.14 13	0.15 12	0.18 12	0.37 13	0.71 13	1.30 12	2.40 10
1974	0.13 14	0.13 13	0.14 14	0.16 14	0.23 13	0.34 12	0.47 10	0.81 10	4.30 15
1975	0.04 9	0.07 10	0.09 10	0.15 13	0.51 14	0.60 14	0.82 14	1.30 13	1.90 9
1976	0.01 4	0.02 7	0.03 7	0.05 6	0.10 4	0.21 8	0.57 11	1.10 11	2.70 12
1977	0.32 15	0.37 15	0.40 15	0.45 15	0.55 15	0.61 15	0.90 15	1.40 14	3.10 14
1978	0.01 5	0.01 4	0.02 2	0.02 3	0.12 8	0.13 5	0.28 7	0.62 8	2.60 11
1979	0.01 6	0.01 5	0.02 3	0.04 5	0.06 3	0.08 3	0.15 2	0.26 3	0.53 3

STATION NUMBER 01075800

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
STEVENS BROOK NEAR WENTWORTH, NH

NUMBER OF DAYS IN CLASS

CLASS / YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1964		4	7	23	12	11	14	21	39	9	4	28	27	12	19	19	25	23	19	7	11	8	9	5	5	3	1	1							
1965		2	10	13	7	17	22	37	22	28	15	23	23	31	24	21	14	13	9	8	11	7	6	1		1									
1966				2		2	19	41	20	9	3	16	35	35	35	21	28	19	28	16	9	12	7	5	2		1								
1967							1	45	28	29	7	22	44	27	28	23	26	10	6	9	21	19	8	4	3	2	2	1							
1968							5	29	21	15	13	43	36	35	26	27	24	15	17	16	14	6	7	6	3	4	3		1						
1969							3	27	34	27	16	16	15	74	25	21	18	13	15	9	11	5	9	8	6	5	4	3	1						
1970		4	2	2	1	6	2	56	22	13	6	8	25	42	23	21	30	16	20	9	8	9	11	11	6	9	3								
1971		5	1	3		10	15	46	17	12	2	3	42	29	37	34	27	12	12	7	12	9	14	9	5		2								
1972							4	26	46	29	13	25	35	33	22	16	15	14	21	14	15	9	12	10	5	2									
1973								26	15	33	7	8	7	19	36	21	18	23	28	32	33	23	11	10	2	7	3	2			1				
1974					2	1		18	19	24	13	22	23	13	22	29	20	32	25	23	20	19	17	5	6	6	3	2		1					
1975		1	1	1	4	10	8	34	11	5	5	11	43	38	37	36	27	23	19	14	13	8	5	3	5	2	1								
1976										15	21	34	26	18	29	26	27	40	46	27	16	10	8	9	6	4	3	1							
1977		5	2	5	3	5	5	24	10	17	39	42	20	21	23	23	25	15	18	23	8	11	7	4	3	2	3	1	1						
1978		2	6	5	10	8	10	23	11	10	5	4	2	2	30	39	44	33	25	23	16	19	15	9	9	1	1	1	1	1					
1979						1	4	33	33	38	9	44	46	34	21	14	6	9	16	12	13	9	6	5	4	5	1	2							

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	5844	100.0	12	0.8	449	3842	65.7	24	28.0	70	175	2.9
1	0.0	23	5844	100.0	13	1.1	463	3393	58.1	25	38.0	53	105	1.7
2	0.0	29	5821	99.6	14	1.5	437	2930	50.1	26	51.0	31	52	.8
3	0.0	54	5792	99.1	15	2.0	391	2493	42.7	27	69.0	14	21	.3
4	0.0	39	5738	98.2	16	2.7	374	2102	36.0	28	92.0	4	7	.1
5	0.1	71	5699	97.5	17	3.6	310	1728	29.6	29	120.0	2	3	
6	0.1	112	5628	96.3	18	4.8	324	1418	24.3	30	170.0	1	1	
7	0.1	486	5516	94.4	19	6.5	249	1094	18.7	31				
8	0.2	348	5030	86.1	20	8.7	231	845	14.5	32				
9	0.3	313	4682	80.1	21	12.0	183	614	10.5	33				
10	0.5	178	4369	74.8	22	16.0	152	431	7.4	34				
11	0.6	349	4191	71.7	23	21.0	104	279	4.8					

VALUE EXCEEDED 'P' PERCENT OF TIME

V95 = 0.1
V90 = 0.2
V75 = 0.5
V70 = 0.7
V50 = 1.5
V25 = 4.6
V10 = 13.0

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
BAKER RIVER NEAR RUMNEY, NH

YEAR	1	3	7	14	30	60	90	120	183
1930	24.00 33	24.00 31	26.00 31	28.00 31	40.00 33	41.00 24	56.00 28	67.00 26	83.00 14
1931	21.00 29	21.00 29	22.00 28	23.00 26	25.00 15	33.00 16	45.00 15	59.00 22	59.00 6
1932	25.00 34	26.00 34	30.00 37	45.00 45	52.00 41	67.00 38	75.00 35	105.00 39	126.00 30
1933	18.00 23	19.00 24	20.00 25	27.00 29	39.00 31	81.00 42	85.00 37	87.00 32	145.00 36
1934	16.00 14	16.00 11	18.00 17	20.00 14	21.00 8	25.00 5	55.00 27	58.00 20	85.00 15
1935	16.00 15	16.00 12	17.00 8	17.00 6	21.00 9	34.00 19	49.00 21	62.00 24	99.00 22
1936	21.00 30	22.00 30	23.00 29	27.00 30	35.00 28	52.00 30	50.00 23	55.00 18	85.00 16
1937	17.00 19	18.00 20	19.00 19	22.00 18	28.00 23	44.00 25	54.00 25	59.00 21	123.00 29
1938	20.00 27	20.00 27	21.00 26	22.00 19	26.00 18	28.00 7	37.00 10	67.00 25	138.00 32
1939	33.00 43	34.00 43	39.00 44	44.00 43	70.00 46	96.00 47	106.00 44	125.00 44	215.00 46
1940	19.00 24	19.00 25	19.00 20	22.00 20	25.00 16	35.00 20	46.00 18	56.00 19	85.00 17
1941	24.00 31	25.00 32	27.00 33	33.00 35	41.00 34	68.00 39	89.00 41	87.00 33	139.00 35
1942	27.00 36	28.00 37	28.00 34	32.00 33	47.00 38	56.00 33	73.00 34	92.00 34	111.00 25
1943	18.00 20	18.00 21	19.00 21	21.00 15	24.00 10	31.00 12	42.00 12	49.00 12	104.00 23
1944	37.00 45	38.00 45	44.00 46	52.00 47	54.00 42	56.00 34	60.00 29	77.00 30	159.00 39
1945	16.00 16	16.00 13	17.00 9	19.00 9	20.00 7	33.00 17	49.00 22	75.00 29	97.00 21
1946	31.00 41	31.00 40	33.00 39	35.00 37	58.00 44	85.00 45	125.00 48	182.00 47	243.00 47
1947	24.00 32	26.00 35	29.00 35	38.00 38	49.00 40	96.00 46	97.00 42	133.00 45	160.00 40
1948	15.00 7	16.00 14	17.00 10	17.00 7	18.00 4	19.00 2	23.00 3	35.00 6	33.00 1
1949	13.00 2	13.00 2	15.00 4	16.00 3	17.00 2	22.00 3	28.00 4	32.00 3	75.00 11
1950	15.00 8	16.00 15	18.00 18	22.00 21	27.00 19	31.00 13	45.00 16	60.00 23	90.00 19
1951	15.00 9	15.00 6	17.00 11	20.00 10	24.00 11	33.00 18	45.00 17	52.00 15	94.00 20
1952	43.00 47	47.00 48	51.00 48	65.00 48	74.00 48	99.00 48	110.00 45	104.00 38	154.00 38
1953	14.00 3	14.00 3	16.00 5	20.00 11	25.00 12	29.00 8	31.00 5	32.00 4	53.00 3
1954	16.00 17	16.00 16	18.00 12	22.00 22	28.00 24	32.00 15	42.00 13	41.00 8	53.00 4
1955	25.00 35	25.00 33	26.00 32	34.00 36	56.00 43	81.00 43	121.00 47	213.00 48	246.00 48
1956	21.00 28	21.00 28	23.00 30	26.00 28	32.00 26	61.00 36	88.00 40	98.00 36	117.00 26
1957	28.00 37	29.00 38	30.00 38	33.00 34	38.00 29	74.00 41	117.00 46	115.00 41	138.00 33
1958	14.00 4	15.00 7	16.00 6	17.00 4	18.00 5	27.00 6	31.00 6	47.00 10	87.00 18
1959	19.00 25	19.00 22	20.00 22	23.00 27	28.00 25	37.00 22	48.00 19	49.00 11	67.00 9
1960	15.00 10	16.00 8	17.00 7	21.00 16	34.00 27	53.00 31	55.00 26	71.00 27	120.00 28
1961	18.00 21	19.00 23	20.00 23	22.00 23	27.00 20	53.00 32	69.00 31	72.00 28	117.00 27
1962	16.00 11	17.00 17	18.00 13	19.00 8	25.00 13	30.00 9	31.00 7	41.00 9	65.00 8
1963	18.00 22	18.00 18	20.00 24	22.00 24	27.00 21	31.00 14	32.00 8	35.00 5	139.00 34
1964	14.00 5	14.00 4	14.00 2	15.00 2	17.00 3	18.00 1	22.00 1	24.00 1	61.00 7
1965	11.00 1	11.00 1	12.00 1	13.00 1	16.00 1	23.00 4	23.00 2	25.00 2	34.00 2
1966	14.00 6	14.00 5	15.00 3	17.00 5	20.00 6	30.00 10	37.00 11	52.00 16	74.00 10
1967	16.00 12	16.00 9	18.00 14	21.00 17	27.00 22	40.00 23	48.00 20	50.00 13	107.00 24
1968	30.00 39	31.00 39	35.00 40	41.00 42	59.00 45	73.00 40	80.00 36	95.00 35	128.00 31

STATION NUMBER 01076000

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STATION NUMBER 01076000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
BAKER RIVER NEAR RUMNEY, NH

YEAR	1	3	7	14	30	60	90	120	183
1969	17.00 18	18.00 19	18.00 15	20.00 12	26.00 17	36.00 21	36.00 9	40.00 7	81.00 12
1970	31.00 40	32.00 41	35.00 41	39.00 39	43.00 35	50.00 28	86.00 38	146.00 46	188.00 44
1971	16.00 13	16.00 10	18.00 16	20.00 13	25.00 14	31.00 11	45.00 14	54.00 17	82.00 13
1972	19.00 26	20.00 26	21.00 27	23.00 25	40.00 32	46.00 26	51.00 24	51.00 14	59.00 5
1973	34.00 44	34.00 42	36.00 42	39.00 40	44.00 36	64.00 37	87.00 39	122.00 43	172.00 42
1974	33.00 42	35.00 44	37.00 43	41.00 41	45.00 37	58.00 35	66.00 30	82.00 31	211.00 45
1975	38.00 46	39.00 46	41.00 45	49.00 46	73.00 47	82.00 44	100.00 43	120.00 42	151.00 37
1976	28.00 38	28.00 36	29.00 36	30.00 32	39.00 30	50.00 27	71.00 33	99.00 37	180.00 43
1977	45.00 48	45.00 47	45.00 47	45.00 44	48.00 39	52.00 29	70.00 32	106.00 40	161.00 41

1974 2 17 1 25 31 25 45 24 32 16 23 20 21 19 14 8 10 6 5 1 1 1 1
1975 11 16 26 12 10 46 43 36 22 24 29 21 15 14 4 13 9 5 5 4

1976 2 12 28 55 26 22 23 18 23 33 32 30 14 15 13 7 7 2 2 2
1977 10 26 37 58 23 30 18 17 20 17 10 29 12 17 10 6 4 7 3 6 2 1 1 1

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	17897	100.0	12	110.0	1556	9083	50.8	24	1400	193	415	2.3
1	11.00	13	17897	100.0	13	140.0	1088	7527	42.1	25	1800	90	222	1.2
2	14.00	119	17884	99.9	14	170.0	1010	6439	36.0	26	2200	58	132	.7
3	17.00	385	17765	99.3	15	210.0	871	5429	30.3	27	2700	30	74	.4
4	21.00	515	17380	97.1	16	260.0	941	4558	25.5	28	3400	22	44	.2
5	26.00	623	16865	94.2	17	330.0	[illegible]	3617	20.2	29	4200	9	22	.1
6	32.00	744	16242	90.8	18	400.0	[illegible]	2998	16.8	30	5100	4	13	
7	39.00	1109	15498	86.6	19	500.0	571	2329	13.0	31	6400	1	9	
8	49.00	1070	14389	80.4	20	620.0	426	1758	9.8	32	7900	3	8	
9	60.00	1360	13319	74.4	21	760.0	[illegible]	1332	7.4	33	9700	3	5	
10	74.00	1631	11959	66.8	22	940.0	378	964	5.4	34	12000	2	2	
11	92.00	1245	10328	57.7	23	1200.0	171	586	3.3					

VALUE EXCEEDED "P" PERCENT OF TIME

V95 =	25.00	0.175
V90 =	33.00	0.231
V75 =	59.00	0.413
V70 =	68.00	0.475
V50 =	110.00	0.769
V25 =	270.00	1.89
V10 =	610.00	4.27

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STATION NUMBER 01076000

ANNUAL VALUES

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
BAKER RIVER NEAR RUMNEY, NH

ANNUAL MEAN VALUE AND RANKING IN YEAR ENDING MARCH 31			ANNUAL MEAN VALUE AND RANKING IN YEAR ENDING SEPTEMBER 30		
1930	257.00	28	1929	254.0	23
1931	167.00	3	1930	221.0	36
1932	222.00	16	1931	173.0	46
1933	234.00	22	1932	221.0	37
1934	212.00	13	1933	245.0	29

STATION NUMBER 01076500

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
PEMIGEWASSET RIVER AT PLYMOUTH, NH

YEAR	1	3	7	14	30	60	90	120	183
1905	155.00 38	173.00 44	185.00 43	216.00 48	2[illegible]1.00 53	330.00 44	421.00 47	454.00 41	744.00 44
1906	260.00 69	287.00 70	313.00 71	349.00 71	473.00 72	625.00 73	789.00 73	805.00 71	845.00 50
1907	124.00 15	139.00 26	161.00 31	170.00 26	187.00 19	255.00 22	339.00 34	400.00 31	442.00 16
1908	165.00 43	165.00 40	168.00 36	173.00 30	223.00 34	362.00 51	497.00 54	634.00 61	1310.00 73
1909	124.00 16	134.00 20	147.00 22	153.00 18	170.00 14	189.00 13	223.00 11	260.00 12	364.00 8
1910	186.00 53	202.00 57	224.00 59	255.00 58	266.00 51	277.00 32	315.00 27	390.00 29	419.00 13
1911	215.00 61	238.00 64	262.00 64	301.00 64	346.00 63	397.00 57	510.00 56	535.00 50	557.00 28
1912	80.00 4	89.00 3	140.00 16	148.00 15	235.00 38	266.00 27	357.00 39	440.00 36	686.00 38
1913	208.00 60	211.00 59	218.00 57	222.00 52	251.00 45	335.00 45	433.00 49	457.00 42	850.00 51
1914	60.00 2	81.00 2	91.00 2	103.00 2	142.00 7	188.00 12	234.00 13	335.00 19	661.00 36
1915	186.00 54	186.00 50	186.00 44	189.00 41	195.00 27	207.00 15	245.00 15	246.00 8	300.00 4
1916	371.00 74	379.00 74	389.00 73	415.00 73	504.00 74	532.00 67	575.00 66	623.00 58	885.00 55
1917	255.00 67	264.00 66	282.00 66	308.00 67	359.00 64	487.00 63	525.00 59	592.00 55	713.00 40
1918	150.00 35	183.00 48	209.00 52	226.00 53	262.00 48	292.00 40	331.00 31	444.00 38	530.00 24
1919	240.00 66	274.00 68	294.00 68	305.00 65	330.00 61	444.00 61	546.00 62	602.00 56	995.00 62
1920	78.00 3	97.00 5	113.00 7	137.00 8	143.00 8	173.00 8	282.00 17	457.00 43	940.00 60
1921	176.00 50	190.00 53	256.00 6[illegible]	291.00 62	390.00 66	439.00 60	474.00 53	613.00 57	766.00 49
1922	122.00 12	126.00 13	169.00 3[illegible]	195.00 42	222.00 33	281.00 35	309.00 24	308.00 13	575.00 10
1923	170.00 45	176.00 45	199.00 45	213.00 47	261.00 46	298.00 42	326.00 30	332.00 17	400.00 12
1924	45.00 1	65.00 1	66.00 1	78.00 1	99.00 1	108.00 1	115.00 1	129.00 1	370.00 9
1925	137.00 28	149.00 30	180.00 42	186.00 40	218.00 31	348.00 49	458.00 50	755.00 69	651.00 52
1926	138.00 29	154.00 32	164.00 32	181.00 36	281.00 54	499.00 65	557.00 63	783.00 70	1090.00 67
1927	136.00 26	156.00 35	168.00 37	173.00 31	212.00 28	248.00 21	301.00 20	411.00 33	746.00 45
1928	194.00 58	203.00 58	210.00 55	233.00 55	316.00 58	396.00 56	563.00 64	573.00 53	905.00 56
1929	298.00 72	356.00 72	355.00 72	380.00 72	408.00 67	549.00 70	585.00 67	627.00 59	628.00 30
1930	152.00 36	172.00 42	174.00 40	183.00 37	231.00 36	258.00 25	283.00 18	371.00 25	478.00 18
1931	89.00 5	90.00 4	94.00 3	105.00 3	126.00 4	138.00 2	151.00 2	258.00 11	304.00 5
1932	137.00 27	140.00 27	157.00 27	217.00 49	239.00 39	345.00 47	412.00 46	522.00 49	657.00 32
1933	192.00 55	197.00 54	213.00 55	306.00 66	442.00 70	468.00 62	499.00 55	554.00 51	1070.00 65
1934	148.00 34	155.00 33	157.00 28	161.00 20	188.00 20	235.00 19	370.00 40	387.00 27	521.00 22
1935	153.00 37	157.00 36	165.00 33	170.00 27	190.00 21	275.00 30	341.00 35	443.00 37	677.00 37
1936	174.00 48	181.00 46	192.00 47	207.00 43	250.00 43	297.00 41	333.00 32	333.00 18	496.00 20
1937	127.00 20	133.00 18	139.00 15	151.00 17	185.00 17	273.00 28	310.00 25	358.00 22	731.00 42
1938	157.00 40	162.00 38	171.00 39	180.00 34	240.00 40	276.00 31	315.00 26	515.00 47	909.00 57
1939	258.00 68	273.00 67	305.00 69	322.00 68	424.00 68	577.00 71	573.00 65	686.00 63	1140.00 69
1940	160.00 42	163.00 39	166.00 34	169.00 24	177.00 16	182.00 10	192.00 5	319.00 15	421.00 14
1941	171.00 47	182.00 47	187.00 45	209.00 45	263.00 49	406.00 59	519.00 58	512.00 46	771.00 48
1942	194.00 56	197.00 55	204.00 51	217.00 50	310.00 57	388.00 55	528.00 60	632.00 60	692.00 39
1943	128.00 21	134.00 21	142.00 19	144.00 13	165.00 12	194.00 14	249.00 16	324.00 16	639.00 33

STATION NUMBER 01076500

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31
DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
PEMIGEWASSET RIVER AT PLYMOUTH, NH

YEAR	1	3	7	14	30	60	90	120	183
1944	280.00 71	300.00 71	311.00 70	326.00 69	337.00 62	354.00 50	393.00 42	486.00 44	944.00 61
1945	99.00 8	127.00 14	133.00 11	146.00 14	160.00 10	243.00 20	356.00 38	453.00 40	519.00 21
1946	228.00 64	235.00 63	244.00 61	265.00 60	371.00 65	514.00 66	693.00 70	1020.00 74	1180.00 71
1947	175.00 49	186.00 49	200.00 49	237.00 56	324.00 60	586.00 72	610.00 69	752.00 68	933.00 59
1948	93.00 7	101.00 7	111.00 5	113.00 5	119.00 3	146.00 3	183.00 3	201.00 2	214.00 1
1949	92.00 6	100.00 6	106.00 4	108.00 4	116.00 2	150.00 4	200.00 6	217.00 4	491.00 19
1950	124.00 17	128.00 15	141.00 17	172.00 28	193.00 22	234.00 18	319.00 29	408.00 32	556.00 27
1951	141.00 31	146.00 28	152.00 25	166.00 22	193.00 23	278.00 33	305.00 22	368.00 24	650.00 34
1952	334.00 73	364.00 73	422.00 74	440.00 74	498.00 73	704.00 74	763.00 72	735.00 67	1020.00 63
1953	125.00 18	130.00 16	146.00 20	178.00 32	195.00 24	226.00 16	229.00 12	235.00 6	354.00 7
1954	123.00 13	124.00 11	132.00 10	137.00 9	153.00 9	170.00 7	205.00 7	216.00 3	289.00 3
1955	202.00 59	212.00 60	224.00 58	278.00 61	443.00 71	537.00 69	817.00 74	975.00 73	1200.00 72
1956	146.00 33	149.00 31	160.00 30	180.00 35	214.00 29	338.00 46	402.00 45	447.00 39	553.00 26
1957	181.00 51	189.00 51	215.00 56	221.00 51	266.00 50	489.00 64	701.00 71	712.00 66	752.00 46
1958	114.00 10	117.00 9	123.00 8	135.00 7	142.00 5	167.00 5	218.00 9	338.00 20	552.00 25
1959	156.00 39	156.00 34	157.00 26	169.00 25	195.00 25	256.00 23	305.00 23	313.00 14	386.00 11
1960	132.00 23	134.00 22	142.00 15	154.00 19	221.00 32	265.00 26	290.00 19	367.00 23	732.00 43
1961	129.00 22	133.00 19	138.00 [illegible]	141.00 11	170.00 15	288.00 38	395.00 43	399.00 30	633.00 31
1962	121.00 11	123.00 10	129.00 [illegible]	138.00 10	157.00 13	177.00 9	184.00 4	250.00 9	333.00 6
1963	133.00 24	137.00 23	147.00 25	184.00 38	261.00 47	283.00 36	303.00 21	346.00 21	852.00 53
1964	127.00 19	132.00 17	136.00 12	144.00 12	162.00 11	170.00 6	221.00 10	237.00 7	529.00 23
1965	105.00 9	108.00 8	112.00 6	124.00 6	142.00 6	184.00 11	207.00 8	220.00 5	280.00 2
1966	124.00 14	125.00 12	137.00 13	150.00 16	187.00 18	257.00 24	318.00 28	414.00 34	653.00 35
1967	144.00 32	146.00 29	159.00 29	178.00 33	226.00 35	319.00 43	346.00 37	390.00 28	761.00 47
1968	170.00 46	173.00 43	189.00 46	208.00 44	244.00 42	287.00 37	344.00 36	496.00 45	728.00 41
1969	158.00 41	161.00 37	166.00 35	173.00 29	195.00 26	233.00 17	240.00 14	258.00 10	431.00 15
1970	194.00 57	198.00 56	210.00 54	228.00 54	251.00 44	289.00 39	469.00 51	810.00 72	1090.00 68
1971	135.00 25	139.00 24	149.00 24	167.00 23	217.00 30	273.00 29	335.00 33	386.00 26	588.00 29
1972	186.00 52	189.00 52	200.00 50	213.00 46	297.00 55	375.00 53	399.00 44	418.00 35	456.00 17
1973	221.00 62	228.00 61	234.00 60	246.00 57	279.00 52	403.00 58	511.00 57	665.00 62	922.00 58
1974	228.00 63	234.00 62	247.00 62	264.00 59	298.00 56	374.00 52	432.00 48	565.00 52	1390.00 74
1975	236.00 65	246.00 65	263.00 65	333.00 70	435.00 69	533.00 68	588.00 68	690.00 64	864.00 54
1976	167.00 44	168.00 41	177.00 41	185.00 39	241.00 41	346.00 48	536.00 61	706.00 65	1080.00 66
1977	270.00 70	279.00 69	289.00 67	298.00 63	323.00 59	378.00 54	471.00 52	576.00 54	1020.00 64
1978	138.00 30	139.00 25	146.00 21	162.00 21	235.00 37	281.00 34	370.00 41	520.00 48	1150.00 70

STATION NUMBER 01076500

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
PEMIGEWASSET RIVER AT PLYMOUTH, NH

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERC
0	0.00	0	27394	100.0	12	430.0	2521	18532	67.6	24	5100	439	1239	4.
1	45.00	2	27394	100.0	13	530.0	2256	16011	58.4	25	6300	295	800	2.
2	55.00	14	27392	100.0	14	650.0	1974	13755	50.2	26	7700	206	505	1.
3	68.00	30	27378	99.9	15	800.0	1842	11781	43.0	27	9500	152	299	1.
4	83.00	38	27348	99.8	16	990.0	1491	9939	36.3	28	12000	63	147	.
5	100.00	187	27310	99.7	17	1200.0	1580	8448	30.8	29	14000	43	84	.
6	130.00	347	27123	99.0	18	1500.0	1104	6868	25.1	30	18000	22	41	.
7	150.00	936	26776	97.7	19	1800.0	1124	5764	21.0	31	22000	6	19	
8	190.00	1143	25840	94.3	20	2200.0	1240	4640	16.9	32	27000	6	13	
9	230.00	1623	24697	90.2	21	2800.0	855	3400	12.4	33	33000	5	7	
10	290.00	1981	23074	84.2	22	3400.0	748	2545	9.3	34	40000	2	2	
11	350.00	2561	21093	77.0	23	4200.0	558	1797	6.6					

VALUE EXCEEDED "P" PERCENT OF TIME

D.A. = 622 mi^2

	Q cfs	cfs/mi^2
V95 =	180.00	[illegible]
V90 =	230.00	[illegible]
V75 =	370.00	0.595
V70 =	410.00	0.659
V50 =	650.00	1.05
V25 =	1500.00	2.41
V10 =	3300.00	5.31

STATION NUMBER 01077000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
SQUAM RIVER AT ASHLAND, NH

YEAR	1		3		7		14		30		60		90		120		183	
1941	25.00	15	50.00	23	53.00	23	60.00	26	65.00	26	72.00	33	77.00	35	79.00	35	79.00	3
1942	27.00	21	31.00	18	32.00	11	33.00	11	33.00	4	34.00	3	36.00	3	39.00	2	45.00	
1943	26.00	16	41.00	20	60.00	28	66.00	30	67.00	30	70.00	30	72.00	29	73.00	30	74.00	2
1944	67.00	35	68.00	34	69.00	35	70.00	35	71.00	34	71.00	31	72.00	30	75.00	32	77.00	3
1945	63.00	32	73.00	38	74.00	37	75.00	37	76.00	37	77.00	36	77.00	36	78.00	34	78.00	3
1946	72.00	39	73.00	39	75.00	38	75.00	38	76.00	38	80.00	38	81.00	37	82.00	36	86.00	3
1947	37.00	25	64.00	32	79.00	39	86.00	40	90.00	40	91.00	40	92.00	39	93.00	38	93.00	3
1948	69.00	38	70.00	37	70.00	36	70.00	36	71.00	35	72.00	34	73.00	31	75.00	33	76.00	2
1949	43.00	28	62.00	30	67.00	31	67.00	31	68.00	31	69.00	29	70.00	27	70.00	27	70.00	2
1950	39.00	26	51.00	24	60.00	29	63.00	28	65.00	27	66.00	23	66.00	20	66.00	20	67.00	1
1951	30.00	22	41.00	21	51.00	21	55.00	20	59.00	20	60.00	17	61.00	16	60.00	14	62.00	1
1952	79.00	40	80.00	40	81.00	40	81.00	39	83.00	39	86.00	39	92.00	40	97.00	39	102.00	3
1953	26.00	17	51.00	25	58.00	27	60.00	27	62.00	21	65.00	22	66.00	21	68.00	22	76.00	3
1954	18.00	11	18.00	11	38.00	13	56.00	22	65.00	28	68.00	27	68.00	24	68.00	23	71.00	2
1955	68.00	36	68.00	35	68.00	33	69.00	34	74.00	36	79.00	37	89.00	38	97.00	40	104.00	3
1956	68.00	37	68.00	36	68.00	34	68.00	32	69.00	32	71.00	32	73.00	32	74.00	31	79.00	3
1957	65.00	34	66.00	33	67.00	32	68.00	33	69.00	33	69.00	28	70.00	28	70.00	28	73.00	2
1958	51.00	30	52.00	27	53.00	22	55.00	21	56.00	16	57.00	14	58.00	13	58.00	9	58.00	
1959	26.00	18	26.00	14	39.00	16	54.00	19	64.00	25	67.00	24	68.00	25	68.00	24	60.00	1
1960	45.00	29	53.00	28	56.00	25	58.00	23	59.00	17	60.00	18	61.00	17	61.00	17	61.00	1
1961	34.00	23	34.00	19	38.00	14	53.00	17	63.00	23	67.00	25	68.00	26	68.00	25	69.00	2
1962	64.00	33	64.00	31	64.00	30	65.00	29	66.00	29	67.00	26	67.00	23	68.00	26	69.00	2
1963	58.00	31	58.00	29	58.00	26	58.00	24	59.00	18	61.00	19	61.00	18	62.00	18	63.00	1
1964	26.00	19	26.00	15	39.00	15	54.00	18	62.00	22	65.00	20	66.00	22	66.00	21	67.00	1
1965	24.00	14	24.00	12	40.00	17	50.00	16	54.00	14	55.00	12	56.00	10	58.00	10	61.00	1
1966	7.00	8	7.30	5	8.90	7	13.00	4	17.00	2	21.00	2	24.00	1	29.00	1	33.00	
1967	5.70	6	5.80	4	5.90	4	6.20	2	12.00	1	17.00	1	32.00	2	40.00	3	46.00	
1968	27.00	20	28.00	17	33.00	12	47.00	12	56.00	15	57.00	13	58.00	14	59.00	12	59.00	
1969	39.00	27	45.00	22	48.00	20	48.00	14	51.00	12	59.00	15	59.00	15	60.00	15	61.00	
1970	1.40	2	14.00	10	43.00	18	47.00	13	52.00	13	65.00	21	73.00	33	71.00	29	74.00	2
1971	20.00	13	26.00	16	26.00	10	30.00	9	44.00	10	53.00	10	57.00	11	59.00	13	66.00	1
1972	5.70	7	9.20	8	10.00	8	19.00	8	43.00	9	54.00	11	55.00	8	55.00	7	56.00	
1973	18.00	12	25.00	13	44.00	19	50.00	15	64.00	24	76.00	35	77.00	34	82.00	37	87.00	3
1974	36.00	24	51.00	26	55.00	24	59.00	25	59.00	19	60.00	16	64.00	19	65.00	19	111.00	4
1975	5.00	5	11.00	9	15.00	9	18.00	7	38.00	7	49.00	5	52.00	5	54.00	5	58.00	
1976	7.40	9	7.40	6	7.40	5	15.00	6	37.00	5	46.00	4	49.00	4	51.00	4	61.00	1
1977	1.00	1	1.00	1	1.10	1	14.00	5	39.00	8	51.00	8	57.00	12	58.00	11	73.00	2
1978	8.40	10	8.60	7	8.70	6	33.00	10	47.00	11	53.00	9	55.00	9	56.00	8	63.00	1
1979	2.30	3	2.70	2	2.90	2	4.20	1	33.00	3	50.00	6	53.00	6	55.00	6	56.00	

STATION NUMBER 01077000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
SQUAM RIVER AT ASHLAND, NH

YEAR	1		3		7		14		30		60		90		120		183	
1980	4.80	4	4.80	3	4.80	3	13.00	3	38.00	6	51.00	7	55.00	7	61.00	16	73.00	26

STATION NUMBER 01077000

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
SQUAM RIVER AT ASHLAND, NH

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	14610	100.0	12	9.9	11	14529	99.4	24	120	1038	1979	13.5
1	1.00	4	14610	100.0	13	12.0	4	14518	99.4	25	150	215	941	6.4
2	1.20	7	14606	100.0	14	15.0	16	14514	99.3	26	180	327	726	4.9
3	1.50	0	14599	99.9	15	18.0	125	14498	99.2	27	230	188	399	2.7
4	1.90	0	14599	99.9	16	23.0	65	14373	98.4	28	280	68	211	1.4
5	2.30	2	14599	99.9	17	28.0	89	14308	97.9	29	340	70	143	.9
6	2.80	8	14597	99.9	18	35.0	90	14219	97.3	30	420	35	73	.4
7	3.50	3	14589	99.9	19	43.0	143	14129	96.7	31	520	26	38	.2
8	4.30	12	14586	99.8	20	52.0	3301	13986	95.7	32	640	1	12	
9	5.30	11	14574	99.8	21	65.0	4789	10685	73.1	33	790	10	11	
10	6.50	24	14563	99.7	22	79.0	2548	5896	40.4	34	970	1	1	
11	8.00	10	14539	99.5	23	98.0	1369	3348	22.9					

VALUE EXCEEDED "P" PERCENT OF TIME

V95 = 52.00
V90 = 55.00
V75 = 64.00
V70 = 66.00
V50 = 75.00
V25 = 96.00
V10 = 130.00

STATION NUMBER 01078000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
SMITH RIVER NEAR BRISTOL, NH

YEAR	1	3	7	14	30	60	90	120	183
1920	5.00 10	5.70 11	6.60 9	7.00 8	9.80 12	14.00 13	18.00 14	24.00 19	69.00 42
1921	14.00 54	15.00 50	17.00 52	19.00 53	24.00 51	25.00 42	29.00 40	38.00 40	51.00 31
1922	12.00 47	12.00 39	13.00 39	14.00 38	15.00 26	17.00 22	22.00 24	27.00 27	32.00 11
1923	17.00 56	18.00 55	18.00 55	20.00 54	22.00 49	25.00 43	26.00 29	26.00 23	37.00 18
1924	4.60 6	5.10 6	5.50 4	6.00 4	7.10 4	9.40 5	10.00 2	12.00 1	25.00 3
1925	4.00 4	6.90 16	8.00 17	8.70 15	15.00 27	22.00 37	30.00 41	51.00 50	51.00 32
1926	10.00 40	13.00 44	13.00 40	15.00 44	26.00 52	42.00 57	62.00 59	71.00 59	81.00 51
1927	8.20 26	12.00 40	14.00 45	16.00 45	19.00 44	22.00 38	24.00 27	29.00 28	53.00 35
1928	9.40 35	13.00 45	16.00 50	18.00 50	29.00 55	34.00 51	41.00 48	42.00 44	71.00 44
1929	15.00 55	18.00 56	20.00 56	21.00 55	34.00 59	44.00 58	46.00 53	49.00 46	57.00 36
1930	5.50 14	6.10 12	6.80 11	8.70 16	15.00 28	16.00 17	21.00 18	23.00 15	31.00 8
1931	6.00 15	8.90 26	9.90 27	11.00 23	13.00 16	18.00 23	28.00 36	31.00 30	35.00 14
1932	7.90 25	15.00 51	15.00 46	17.00 48	21.00 47	23.00 41	27.00 33	35.00 36	49.00 27
1933	4.90 8	6.80 15	7.40 14	14.00 39	16.00 34	22.00 39	26.00 30	29.00 29	49.00 28
1934	2.70 1	5.00 4	9.20 22	14.00 40	16.00 35	18.00 24	26.00 31	27.00 24	41.00 24
1935	7.80 23	8.10 22	11.00 33	12.00 27	13.00 17	20.00 30	28.00 34	34.00 35	50.00 30
1936	13.00 50	17.00 54	17.00 53	18.00 51	22.00 48	26.00 44	26.00 32	33.00 32	49.00 29
1937	12.00 48	12.00 41	13.00 41	14.00 41	16.00 36	19.00 27	21.00 19	23.00 16	41.00 25
1938	12.00 49	13.00 46	13.00 42	14.00 42	15.00 29	18.00 25	25.00 28	34.00 33	80.00 50
1939	18.00 57	20.00 58	21.00 57	23.00 56	32.00 57	56.00 59	57.00 58	67.00 56	137.00 60
1940	2.80 2	3.00 1	3.20 1	5.10 2	7.70 6	12.00 11	15.00 9	17.00 9	31.00 9
1941	11.00 45	15.00 52	15.00 47	18.00 52	20.00 46	29.00 47	29.00 37	38.00 41	58.00 38
1942	4.10 5	4.60 3	6.90 12	8.60 14	17.00 41	20.00 31	23.00 25	32.00 31	39.00 20
1943	9.30 33	9.50 30	10.00 28	11.00 24	13.00 18	14.00 12	19.00 15	24.00 20	42.00 26
1944	8.70 30	12.00 42	13.00 43	15.00 43	19.00 45	34.00 52	41.00 49	54.00 51	78.00 47
1945	8.70 31	9.20 28	10.00 29	11.00 25	13.00 19	19.00 28	28.00 35	37.00 37	52.00 33
1946	14.00 51	14.00 47	16.00 51	17.00 49	28.00 54	34.00 53	52.00 56	65.00 55	104.00 57
1947	10.00 41	16.00 53	18.00 54	24.00 57	33.00 58	41.00 56	41.00 50	61.00 52	65.00 41
1948	5.00 9	5.60 10	6.60 10	7.40 10	7.90 7	9.10 3	13.00 7	23.00 17	27.00 6
1949	5.30 13	5.50 8	5.50 5	6.00 5	6.60 2	9.60 6	12.00 5	16.00 6	32.00 10
1950	5.10 11	5.10 5	5.60 6	6.70 6	7.90 8	9.70 7	13.00 8	14.00 4	25.00 4
1951	4.80 7	5.50 9	6.20 7	7.20 9	8.70 9	12.00 8	12.00 6	14.00 5	35.00 15
1952	25.00 60	29.00 60	32.00 60	36.00 60	56.00 60	58.00 60	65.00 60	68.00 57	99.00 55
✓1953	6.20 16	6.50 13	8.20 20	12.00 28	14.00 24	16.00 18	17.00 12	17.00 7	35.00 16
✓1954	10.00 42	10.00 35	10.00 30	12.00 29	13.00 20	16.00 19	24.00 26	23.00 18	33.00 12
1955	10.00 43	10.00 36	11.00 34	12.00 30	18.00 42	27.00 45	46.00 51	74.00 60	102.00 56
✓1956	9.60 36	9.70 32	11.00 35	13.00 36	15.00 30	39.00 55	47.00 54	50.00 47	80.00 48
1957	10.00 37	10.00 33	11.00 36	12.00 31	13.00 21	20.00 32	36.00 45	37.00 38	52.00 34
✓1958	6.90 20	7.30 19	8.00 18	8.30 11	9.10 10	12.00 9	16.00 10	22.00 12	36.00 17

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STATION NUMBER 01078000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
SMITH RIVER NEAR BRISTOL, NH

YEAR	1		3		7		14		30		60		90		120		183
1959	8.60	28	8.70	24	9.10	21	9.60	19	12.00	13	15.00	14	21.00	20	27.00	25	39.00
1960	6.30	17	7.10	18	8.00	19	9.10	17	12.00	14	16.00	20	29.00	38	34.00	34	58.00
1961	10.00	38	10.00	34	11.00	37	12.00	32	15.00	31	27.00	46	46.00	52	50.00	48	70.00
1962	8.90	32	9.30	29	10.00	31	12.00	33	16.00	37	20.00	33	22.00	21	25.00	21	33.00
1963	14.00	52	14.00	48	15.00	48	16.00	46	18.00	43	20.00	34	22.00	22	27.00	26	82.00
1964	5.20	12	5.30	7	5.40	3	5.50	3	7.20	5	8.90	2	11.00	3	12.00	2	40.00
1965	6.50	18	6.60	14	6.60	8	6.90	7	7.10	3	9.40	4	12.00	4	12.00	3	16.00
1966	3.40	3	3.60	2	4.00	2	4.30	1	4.50	1	5.70	1	8.70	1	17.00	8	28.00
1967	7.90	24	8.40	23	9.80	25	11.00	26	15.00	32	19.00	29	39.00	46	40.00	43	77.00
1968	9.40	34	9.60	31	9.80	26	10.00	20	13.00	22	15.00	15	20.00	16	23.00	13	40.00
1969	10.00	39	11.00	37	11.00	32	13.00	34	16.00	38	21.00	35	22.00	23	26.00	22	57.00
1970	12.00	46	12.00	43	13.00	44	13.00	35	16.00	39	18.00	26	30.00	42	50.00	49	73.00
1971	6.80	19	7.00	17	7.40	13	8.30	12	9.80	11	12.00	10	17.00	11	21.00	11	38.00
1972	8.40	27	8.90	27	9.30	23	11.00	21	16.00	40	17.00	21	18.00	13	19.00	10	24.00
1973	11.00	44	11.00	38	12.00	38	14.00	37	15.00	33	22.00	40	30.00	43	62.00	53	90.00
1974	18.00	58	19.00	57	21.00	58	25.00	58	27.00	53	31.00	50	39.00	47	48.00	45	117.00
1975	8.70	29	8.80	25	9.80	24	11.00	22	14.00	25	30.00	48	36.00	44	38.00	39	62.00
1976	14.00	53	14.00	49	15.00	49	16.00	47	24.00	50	31.00	49	52.00	57	68.00	58	107.00
1977	23.00	59	24.00	59	27.00	59	27.00	59	30.00	56	36.00	54	49.00	55	62.00	54	80.00
1978	7.10	21	7.60	21	7.80	15	8.60	13	13.00	23	21.00	36	29.00	39	39.00	42	86.00
1979	7.40	22	7.50	20	7.80	16	9.20	18	12.00	15	15.00	16	20.00	17	23.00	14	26.00

STATION NUMBER 01078000

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
SMITH RIVER NEAR BRISTOL, NH

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	22280	100.0	12	32.0	1494	16383	73.5	24	470	503	1530	6.8
1	2.60	6	22280	100.0	13	40.0	1493	14889	66.8	25	590	395	1027	4.6
2	3.40	13	22274	100.0	14	50.0	1982	13396	60.1	26	740	267	632	2.8
3	4.20	33	22261	99.9	15	63.0	1634	11414	51.2	27	930	190	365	1.6
4	5.30	103	22228	99.8	16	78.0	1596	9780	43.9	28	1200	95	175	.7
5	6.60	240	22125	99.3	17	98.0	1274	8184	36.7	29	1500	33	80	.3
6	8.30	264	21885	98.2	18	120.0	1208	6910	31.0	30	1800	28	47	.2
7	10.00	547	21621	97.0	19	150.0	1168	5702	25.6	31	2300	11	19	
8	13.00	784	21074	94.6	20	190.0	1011	4534	20.4	32	2900	5	8	
9	16.00	1062	20290	91.1	21	240.0	780	3523	15.8	33	3600	2	3	
10	20.00	1459	19228	86.3	22	300.0	727	2743	12.3	34	4500	1	1	
11	26.00	1386	17769	79.8	23	380.0	486	2016	9.0					

D.A. = 85.8 mi²

VALUE EXCEEDED "P" PERCENT OF TIME

	Q	Q/mi
V95 =	12.00	0.14
V90 =	17.00	0.19
V75 =	31.00	0.36
V70 =	36.00	0.4[illegible]
V50 =	66.00	0.76
V25 =	150.00	1.7[illegible]
V10 =	360.00	4.20

STATION NUMBER 01080500

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND

MEAN

LAKE WINNIPESAUKEE OUTLET AT LAKEPORT, NH

YEAR	1		3		7		14		30		60		90		120		183	
1935	120.00	16	130.00	11	231.00	29	242.00	28	265.00	30	285.00	28	296.00	25	301.00	24	313.00	21
1936	33.00	4	139.00	12	182.00	11	300.00	42	306.00	41	310.00	35	340.00	33	395.00	39	421.00	37
1937	230.00	39	269.00	43	290.00	44	308.00	43	313.00	42	320.00	37	328.00	31	341.00	31	355.00	28
1938	211.00	36	231.00	34	259.00	39	270.00	38	271.00	32	284.00	27	308.00	28	330.00	29	365.00	30
1939	280.00	45	285.00	45	300.00	45	323.00	45	328.00	45	341.00	40	348.00	34	355.00	35	390.00	33
1940	178.00	24	203.00	27	222.00	20	247.00	29	260.00	27	264.00	19	269.00	16	273.00	15	284.00	14
1941	183.00	27	208.00	28	260.00	40	261.00	37	276.00	34	296.00	32	305.00	27	324.00	28	341.00	24
1942	20.00	3	20.00	1	20.00	1	20.00	1	25.00	1	38.00	1	46.00	1	47.00	1	90.00	1
1943	40.00	5	40.00	3	40.00	2	40.00	2	93.00	4	175.00	5	196.00	3	214.00	4	258.00	9
1944	190.00	30	238.00	37	248.00	35	251.00	30	260.00	28	299.00	34	360.00	38	392.00	37	421.00	38
1945	80.00	10	202.00	25	240.00	33	252.00	31	287.00	40	315.00	36	330.00	32	347.00	33	404.00	34
1946	100.00	13	200.00	22	230.00	27	233.00	21	318.00	44	370.00	43	409.00	42	444.00	43	501.00	41
1947	100.00	14	173.00	17	231.00	28	255.00	33	282.00	38	383.00	44	482.00	45	466.00	44	517.00	42
1948	75.00	9	83.00	6	118.00	5	127.00	5	147.00	6	174.00	4	197.00	4	209.00	3	226.00	3
1949	90.00	11	115.00	9	141.00	7	143.00	6	144.00	5	286.00	29	299.00	26	302.00	25	340.00	23
1950	50.00	6	107.00	8	144.00	8	197.00	9	234.00	14	270.00	21	276.00	21	299.00	23	307.00	19
1951	65.00	8	65.00	5	171.00	10	223.00	14	250.00	23	254.00	16	255.00	14	263.00	13	301.00	18
1952	270.00	44	275.00	44	279.00	43	308.00	44	315.00	43	397.00	45	435.00	44	522.00	45	568.00	45
1953	130.00	19	220.00	32	236.00	32	239.00	26	247.00	21	256.00	17	282.00	23	340.00	30	356.00	29
1954	150.00	20	190.00	18	210.00	17	219.00	13	222.00	11	231.00	8	234.00	8	234.00	7	241.00	6
1955	170.00	22	215.00	30	226.00	23	235.00	23	248.00	22	298.00	33	359.00	37	430.00	41	532.00	43
1956	175.00	23	213.00	29	224.00	21	225.00	17	233.00	13	276.00	25	394.00	41	409.00	40	485.00	40
1957	90.00	12	153.00	14	188.00	12	199.00	10	222.00	12	332.00	38	349.00	35	352.00	34	389.00	32
1958	5.00	2	37.00	2	59.00	4	66.00	4	69.00	2	104.00	2	121.00	2	136.00	2	155.00	2
1959	205.00	34	248.00	39	253.00	37	257.00	34	269.00	31	274.00	23	278.00	22	285.00	20	309.00	20
1960	245.00	42	252.00	41	265.00	41	271.00	39	282.00	39	288.00	30	309.00	29	307.00	27	348.00	26
1961	200.00	33	242.00	38	251.00	36	253.00	32	277.00	35	366.00	42	416.00	43	440.00	42	474.00	30
1962	230.00	40	250.00	40	256.00	38	258.00	35	277.00	36	281.00	26	284.00	24	286.00	22	342.00	2[illegible]
1963	0.00	1	105.00	7	206.00	15	242.00	27	259.00	26	290.00	31	315.00	30	306.00	26	377.00	3[illegible]
1964	210.00	35	232.00	35	244.00	34	258.00	36	265.00	29	270.00	22	273.00	18	276.00	17	283.00	1[illegible]
1965	180.00	25	203.00	26	227.00	24	232.00	20	238.00	20	247.00	14	253.00	13	260.00	10	266.00	10
1966	185.00	28	193.00	19	208.00	16	215.00	11	216.00	9	225.00	6	229.00	6	230.00	5	232.00	4
1967	125.00	17	143.00	13	168.00	9	196.00	8	213.00	7	231.00	9	240.00	10	242.00	8	241.00	5
1968	110.00	15	167.00	16	233.00	30	235.00	24	254.00	24	262.00	18	270.00	17	273.00	16	285.00	15
1969	50.00	7	50.00	4	50.00	3	52.00	3	69.00	3	139.00	3	226.00	5	285.00	21	286.00	16
1970	160.00	21	160.00	15	192.00	13	275.00	41	277.00	37	351.00	41	361.00	39	393.00	38	407.00	36
1971	185.00	29	200.00	23	225.00	22	229.00	18	237.00	19	243.00	13	252.00	12	261.00	11	274.00	11
1972	125.00	18	125.00	10	125.00	6	167.00	7	214.00	8	236.00	12	239.00	9	246.00	9	255.00	8
1973	195.00	31	195.00	20	195.00	14	224.00	15	257.00	25	334.00	39	361.00	40	344.00	32	405.00	35

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STATION NUMBER 01080500

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND

MEAN

LAKE WINNIPESAUKEE OUTLET AT LAKEPORT, NH

YEAR	1	3	7	14	30	60	90	120	183
1974	260.00 43	268.00 42	271.00 42	272.00 40	273.00 33	276.00 24	354.00 36	367.00 36	567.00 44
1975	160.00 26	202.00 24	215.00 18	219.00 12	220.00 10	227.00 7	230.00 7	232.00 6	248.00 7
1976	230.00 41	233.00 36	234.00 31	235.00 25	235.00 15	235.00 10	274.00 19	282.00 19	352.00 27
1977	215.00 37	220.00 31	229.00 26	232.00 19	235.00 16	236.00 11	247.00 11	266.00 14	292.00 17
1978	200.00 32	200.00 21	219.00 19	225.00 16	235.00 17	265.00 20	275.00 20	277.00 18	329.00 22
1979	220.00 38	223.00 33	227.00 25	234.00 22	236.00 18	253.00 15	256.00 15	262.00 12	274.00 12

STATION NUMBER 01080500

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
LAKE WINNIPESAUKEE OUTLET AT LAKEPORT, NH

NUMBER OF DAYS IN CLASS

CLASS / YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
1974																				1	82	90	7	6	17	48	3	21	32	13	25	19	1	
1975																					96	48	67	4	3	69	7	16	30	25				
1976																					61	55	4	4	24	59	3	28	70	20	38			
1977																					60	140	28	9	5	57	12	25	2	2	10	2	13	
1978																						53	102	15	5	31	22	9	22	39	55	12		
1979																					9	184	20	10	12	12	57	9	17	2	17	16		

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	1	16801	100.0	12	42.0	0	16662	99.2	24	420	1249	7282	43.3
1	5.00	12	16800	100.0	13	50.0	22	16662	99.2	25	510	1667	6033	35.9
2	6.10	0	16788	99.9	14	61.0	13	16640	99.0	26	620	798	4366	25.9
3	7.40	0	16788	99.9	15	74.0	53	16627	99.0	27	750	808	3568	21.2
4	8.90	0	16788	99.9	16	90.0	62	16574	98.6	28	910	963	2760	16.4
5	11.00	0	16788	99.9	17	110.0	40	16512	98.3	29	1100	541	1797	10.6
6	13.00	0	16788	99.9	18	130.0	132	16472	98.0	30	1300	752	1256	7.4
7	16.00	0	16788	99.9	19	160.0	274	16340	97.3	31	1600	341	504	2.9
8	19.00	43	16788	99.9	20	190.0	1519	16066	95.6	32	2000	103	163	.9
9	21.00	0	16745	99.7	21	240.0	3416	14547	86.6	33	2400	60	60	.3
10	28.00	51	16745	99.7	22	290.0	2483	11131	66.3	34	2900			
11	34.00	32	16694	99.4	23	350.0	1366	8648	51.5					

VALUE EXCEEDED "P" PERCENT OF TIME

V95 = 190.00
V90 = 220.00
V75 = 270.00
V70 = 280.00
V50 = 360.00
V25 = 650.00
V10 = 1100.00

B-48

STATION NUMBER 01081000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
WINNIPESAUKEE RIVER AT TILTON, NH

YEAR	1	3	7	14	30	60	90	120	183
1938	101.00 7	201.00 13	349.00 37	393.00 40	417.00 40	443.00 36	455.00 32	481.00 33	546.00 34
1939	241.00 30	351.00 40	419.00 41	434.00 41	438.00 41	474.00 40	485.00 37	499.00 36	618.00 39
1940	144.00 12	257.00 28	328.00 35	334.00 34	346.00 34	360.00 26	366.00 24	372.00 22	388.00 19
1941	273.00 35	322.00 39	351.00 38	368.00 37	378.00 36	446.00 37	473.00 36	483.00 34	494.00 29
1942	48.00 1	87.00 1	109.00 1	112.00 1	120.00 1	132.00 1	141.00 1	161.00 1	189.00 1
1943	123.00 10	226.00 17	272.00 26	288.00 28	323.00 31	396.00 32	401.00 27	411.00 27	412.00 22
1944	319.00 42	352.00 41	360.00 40	363.00 35	370.00 35	473.00 39	515.00 39	537.00 41	606.00 38
1945	221.00 21	290.00 35	352.00 39	377.00 39	396.00 37	427.00 35	438.00 30	447.00 31	501.00 30
1946	210.00 19	402.00 42	444.00 42	448.00 42	475.00 42	502.00 41	517.00 40	529.00 39	591.00 37
1947	276.00 36	305.00 38	338.00 36	367.00 36	402.00 39	464.00 38	531.00 41	523.00 38	563.00 35
1948	87.00 5	165.00 7	248.00 18	250.00 14	241.00 8	272.00 9	279.00 8	285.00 8	337.00 12
1949	70.00 3	170.00 8	201.00 6	241.00 10	278.00 17	316.00 21	339.00 19	355.00 19	399.00 21
1950	100.00 6	157.00 6	217.00 10	244.00 11	265.00 12	300.00 17	321.00 17	325.00 14	337.00 13
1951	67.00 2	129.00 4	211.00 9	229.00 8	281.00 20	287.00 13	291.00 11	292.00 9	364.00 16
1952	281.00 38	293.00 36	309.00 34	370.00 38	399.00 38	503.00 42	554.00 42	635.00 42	715.00 41
1953	250.00 31	275.00 31	279.00 28	283.00 26	293.00 23	365.00 27	379.00 26	400.00 26	424.00 24
1954	138.00 11	197.00 12	222.00 11	231.00 9	233.00 6	236.00 5	243.00 5	244.00 5	270.00 4
1955	227.00 23	263.00 29	272.00 27	276.00 24	278.00 18	346.00 24	462.00 34	530.00 40	665.00 40
1956	250.00 32	250.00 25	267.00 24	291.00 29	307.00 28	370.00 28	459.00 33	495.00 35	513.00 31
1957	294.00 41	295.00 37	300.00 33	302.00 31	305.00 25	347.00 25	360.00 21	366.00 21	421.00 23
1958	117.00 8	121.00 2	137.00 2	168.00 2	176.00 2	180.00 2	179.00 2	184.00 2	195.00 2
1959	255.00 34	264.00 30	271.00 25	274.00 23	291.00 22	334.00 22	328.00 18	337.00 17	354.00 14
1960	277.00 37	279.00 32	288.00 30	297.00 30	307.00 26	390.00 31	405.00 28	426.00 28	433.00 25
1961	287.00 40	288.00 34	291.00 31	327.00 33	338.00 33	426.00 34	466.00 35	513.00 37	573.00 36
1962	253.00 33	255.00 27	261.00 23	267.00 21	274.00 15	290.00 14	320.00 16	338.00 18	377.00 18
1963	75.00 4	152.00 5	230.00 12	257.00 16	308.00 29	341.00 23	362.00 22	387.00 24	465.00 26
1964	284.00 39	284.00 33	284.00 29	288.00 27	289.00 21	291.00 15	291.00 12	293.00 11	309.00 9
1965	220.00 20	236.00 22	243.00 17	246.00 13	253.00 9	260.00 8	265.00 7	269.00 7	278.00 5
1966	181.00 13	185.00 9	201.00 7	214.00 6	222.00 3	230.00 4	231.00 3	233.00 3	242.00 3
1967	197.00 16	202.00 14	207.00 8	220.00 7	236.00 7	246.00 7	257.00 6	260.00 6	297.00 7
1968	222.00 22	230.00 18	249.00 19	265.00 20	270.00 13	283.00 12	296.00 13	328.00 15	355.00 15
1969	120.00 9	127.00 3	159.00 3	202.00 4	273.00 14	295.00 16	356.00 20	360.00 23	371.00 17
1970	237.00 27	250.00 26	296.00 32	307.00 32	327.00 32	424.00 33	495.00 38	469.00 32	537.00 33
1971	228.00 24	233.00 20	250.00 20	262.00 18	263.00 11	274.00 10	282.00 9	292.00 10	323.00 11
1972	195.00 15	196.00 11	198.00 5	207.00 5	230.00 5	242.00 6	290.00 10	305.00 12	297.00 6
1973	228.00 25	230.00 19	240.00 15	263.00 19	307.00 27	378.00 29	417.00 29	429.00 30	514.00 32
1974	238.00 28	240.00 23	251.00 21	274.00 22	308.00 30	388.00 30	454.00 31	426.00 29	731.00 42
1975	190.00 14	190.00 10	192.00 4	193.00 3	223.00 4	224.00 3	231.00 4	241.00 4	285.00 6
1976	232.00 26	234.00 21	238.00 14	261.00 17	278.00 16	302.00 18	366.00 23	356.00 20	469.00 27

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STATION NUMBER 01081000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
WINNIPESAUKEE RIVER AT TILTON, NH

YEAR	1	3	7	14	30	60	90	120	183
1977	198.00 17	213.00 15	241.00 16	280.00 25	298.00 24	310.00 20	373.00 25	389.00 25	392.00 20
1978	209.00 18	220.00 16	232.00 13	245.00 12	253.00 10	274.00 11	318.00 15	328.00 16	446.00 26
1979	238.00 29	241.00 24	252.00 22	255.00 15	281.00 19	303.00 19	310.00 14	313.00 13	319.00 10

STATION NUMBER 01081000

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
WINNIPESAUKEE RIVER AT TILTON, NH

NUMBER OF DAYS IN CLASS

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
YEAR																																		
1978														2	25	45	25	8	17	16	25	20	14	16	9	11	19	31	42	26	11	3		
1979														12	56	79	47	10	13	13	13	5	26	19	11	2	4	3	7	32	10	2	1	

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	15340	100.0	12	200.0	296	14967	97.6	24	960	861	3678	23.9
1	48.00	2	15340	100.0	13	230.0	526	14671	95.6	25	1100	382	2817	18.3
2	55.00	2	15338	100.0	14	260.0	1658	14145	92.2	26	1200	665	2435	15.8
3	62.00	3	15336	100.0	15	300.0	1383	12487	81.4	27	1400	576	1770	11.5
4	71.00	1	15333	100.0	16	340.0	871	11104	72.4	28	1600	455	1194	7.7
5	81.00	7	15332	99.9	17	380.0	1225	10233	66.7	29	1800	401	739	4.8
6	[illegible]	14	15325	99.9	18	440.0	954	9008	58.7	30	2100	181	338	2.2
7	[illegible]	28	15311	99.8	19	500.0	1167	8054	52.5	31	2400	89	157	1.0
8	[illegible]	57	15283	99.6	20	570.0	1008	6887	44.9	32	2700	54	68	.4
9	[illegible]	43	15226	99.3	21	650.0	789	5879	38.3	33	3100	12	14	
10	150.00	76	15183	99.0	22	740.0	785	5090	33.2	34	3500	2	2	
11	180.00	140	15107	98.5	23	840.0	627	4305	28.1					

VALUE EXCEEDED "P" PERCENT OF TIME

V95 = 240.00
V90 = 270.00
V75 = 330.00
V70 = 360.00
V50 = 520.00
V25 = 930.00
V10 = 1500.00

STATION NUMBER 01081500

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
MERRIMACK RIVER AT FRANKLIN JUNCTION, NH

YEAR	1		3		7		14		30		60		90		120		183	
1906	738.00	48	953.00	63	1070.00	64	1230.00	71	1470.00	72	1640.00	70	1930.00	72	2060.00	71	2110.00	6[illegible]
1907	800.00	55	817.00	46	927.00	53	996.00	57	1040.00	53	1180.00	51	1350.00	54	1390.00	47	1480.00	3[illegible]
1908	800.00	56	800.00	44	857.00	44	896.00	42	989.00	46	1220.00	57	1390.00	56	1660.00	61	2640.00	6[illegible]
1909	500.00	24	500.00	11	629.00	18	757.00	25	871.00	32	910.00	21	964.00	21	946.00	13	1150.00	1
1910	500.00	25	633.00	26	736.00	28	829.00	34	896.00	35	991.00	30	1060.00	29	1240.00	36	[illegible]	[illegible]
1911	800.00	57	827.00	49	847.00	43	866.00	38	924.00	36	1060.00	36	1150.00	37	1120.00	27	1190.00	1[illegible]
1912	750.00	50	823.00	48	833.00	40	867.00	39	950.00	40	1000.00	32	1140.00	34	1240.00	37	1700.00	4[illegible]
1913	900.00	67	925.00	58	971.00	58	983.00	56	1120.00	60	1440.00	64	1580.00	63	1620.00	60	2330.00	67
1914	850.00	63	872.00	53	924.00	52	972.00	54	1030.00	50	1060.00	37	1090.00	32	1200.00	34	1660.00	43
1915	600.00	58	800.00	45	836.00	41	886.00	41	1000.00	47	1130.00	46	1150.00	35	1160.00	29	1250.00	24
1916	1030.00	69	1120.00	71	1170.00	70	1210.00	69	1300.00	69	1610.00	69	1680.00	67	1700.00	64	2000.00	55
1917	1080.00	72	1160.00	72	1240.00	72	1260.00	72	1280.00	66	1420.00	62	1620.00	65	1730.00	65	1800.00	46
1918	930.00	68	930.00	59	930.00	54	930.00	48	930.00	37	995.00	31	1080.00	31	1280.00	38	1490.00	36
1920	800.00	59	867.00	52	986.00	59	1000.00	58	1050.00	54	1110.00	44	1280.00	48	1480.00	53	2140.00	63
1921	1060.00	71	1090.00	69	1160.00	68	1190.00	68	1390.00	71	1440.00	65	1520.00	62	1740.00	66	1970.00	54
1922	830.00	60	880.00	55	931.00	56	953.00	52	1010.00	48	1080.00	40	1150.00	36	1180.00	32	1260.00	25
1923	830.00	61	930.00	60	930.00	55	930.00	49	963.00	43	1210.00	55	1290.00	49	1310.00	41	1340.00	27
1924	630.00	40	770.00	41	789.00	37	851.00	36	879.00	33	905.00	20	952.00	19	972.00	16	1190.00	19
1925	720.00	45	850.00	50	884.00	49	916.00	45	961.00	42	1090.00	41	1200.00	43	1600.00	58	1730.00	46
1926	840.00	62	923.00	57	987.00	60	1030.00	61	1180.00	63	1560.00	68	1830.00	70	1890.00	67	2140.00	64
1927	875.00	64	968.00	64	1010.00	61	1070.00	62	1130.00	61	1180.00	52	1230.00	44	1370.00	46	1810.00	49
1928	880.00	65	1000.00	67	1090.00	65	1120.00	64	1260.00	64	1420.00	63	1590.00	64	1580.00	57	2030.00	56
1929	1050.00	70	1120.00	70	1170.00	71	1230.00	70	1290.00	68	1520.00	66	1510.00	60	1540.00	55	1570.00	40
1930	685.00	43	822.00	47	874.00	48	913.00	43	980.00	44	1060.00	38	1070.00	30	1140.00	28	1210.00	22
1931	720.00	46	740.00	40	756.00	30	771.00	29	782.00	20	804.00	12	860.00	14	1010.00	21	1060.00	8
1932	795.00	53	877.00	54	901.00	51	953.00	53	1030.00	49	1150.00	48	1190.00	40	1320.00	42	1390.00	30
1933	785.00	52	857.00	51	898.00	50	942.00	51	1100.00	59	1380.00	61	1410.00	58	1450.00	50	1940.00	53
1934	425.00	18	564.00	19	765.00	31	830.00	35	845.00	28	927.00	23	1020.00	27	1090.00	25	1200.00	20
1935	420.00	17	636.00	28	727.00	27	762.00	26	800.00	22	927.00	24	1010.00	26	1170.00	30	1430.00	32
1936	616.00	37	781.00	43	871.00	46	929.00	47	954.00	41	1180.00	53	1160.00	38	1200.00	33	1400.00	31
1937	798.00	54	895.00	56	945.00	57	1020.00	59	1080.00	55	1130.00	45	1160.00	39	1220.00	35	1620.00	41
1938	456.00	21	703.00	34	871.00	47	982.00	55	1040.00	51	1090.00	42	1200.00	41	1550.00	56	2080.00	60
1939	550.00	31	993.00	65	1100.00	66	1180.00	65	1340.00	70	1530.00	67	1510.00	61	1680.00	63	2710.00	71
1940	290.00	10	454.00	8	674.00	23	724.00	21	743.00	14	774.00	10	816.00	9	975.00	17	1090.00	12
1941	528.00	28	725.00	35	836.00	42	935.00	50	1040.00	52	1240.00	58	1330.00	53	1350.00	44	1680.00	42
1942	466.00	23	573.00	20	624.00	15	650.00	10	767.00	18	855.00	19	977.00	25	1110.00	26	1160.00	15
1943	558.00	32	653.00	30	776.00	33	799.00	30	863.00	30	941.00	25	972.00	23	1030.00	22	1360.00	28
1944	748.00	49	949.00	62	1020.00	63	1070.00	63	1080.00	56	1170.00	50	1260.00	46	1470.00	51	2050.00	57
1945	670.00	42	731.00	36	787.00	36	825.00	33	837.00	26	1050.00	35	1200.00	42	1280.00	39	1440.00	33

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STATION NUMBER 01081500

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
MERRIMACK RIVER AT FRANKLIN JUNCTION, NH

YEAR	1		3		7		14		30		60		90		120		183	
1946	886.00	66	938.00	61	1010.00	62	1030.00	60	1160.00	62	1350.00	60	1710.00	68	1970.00	70	2350.00	68
1947	736.00	47	994.00	66	1160.00	69	1180.00	66	1280.00	67	1650.00	71	1650.00	66	1920.00	69	2060.00	58
1948	253.00	4	376.00	5	501.00	6	513.00	5	524.00	4	728.00	7	738.00	6	757.00	5	805.00	2
1949	225.00	3	392.00	6	660.00	20	699.00	18	716.00	13	738.00	9	853.00	11	937.00	12	1210.00	21
1950	295.00	11	503.00	14	628.00	17	699.00	19	752.00	17	820.00	13	909.00	17	991.00	18	1180.00	16
1951	314.00	13	501.00	12	625.00	16	659.00	12	688.00	10	787.00	11	814.00	8	902.00	10	1320.00	26
1952	782.00	51	1050.00	68	1120.00	67	1180.00	67	1270.00	65	1650.00	72	1830.00	71	1910.00	68	2290.00	66
1953	344.00	15	523.00	16	579.00	8	607.00	8	667.00	8	840.00	18	858.00	13	892.00	9	1070.00	10
1954	258.00	6	480.00	9	520.00	7	599.00	7	625.00	7	647.00	5	721.00	5	743.00	4	916.00	3
1955	560.00	33	775.00	42	859.00	45	927.00	46	1090.00	57	1220.00	56	1810.00	69	2370.00	72	2690.00	70
1956	460.00	22	627.00	25	766.00	32	862.00	37	981.00	45	1270.00	59	1390.00	57	1360.00	45	1540.00	39
1957	452.00	20	680.00	31	783.00	34	816.00	32	887.00	34	1160.00	49	1490.00	59	1480.00	54	1700.00	44
1958	209.00	2	288.00	1	427.00	2	454.00	2	467.00	1	518.00	1	591.00	1	734.00	3	991.00	5
1959	335.00	14	508.00	15	674.00	24	682.00	17	709.00	12	838.00	17	936.00	16	950.00	14	1002.00	6
1960	288.00	8	491.00	10	613.00	12	669.00	13	788.00	21	923.00	22	956.00	20	1070.00	24	1470.00	34
1961	447.00	19	686.00	33	740.00	29	770.00	28	869.00	31	1040.00	34	1270.00	47	1320.00	43	1740.00	47
1962	309.00	12	324.00	4	465.00	4	506.00	4	534.00	5	699.00	6	764.00	7	846.00	7	952.00	4
1963	411.00	16	534.00	17	601.00	10	726.00	22	817.00	24	948.00	26	972.00	24	1010.00	19	1810.00	50
1964	288.00	9	423.00	7	481.00	5	529.00	6	552.00	6	597.00	3	708.00	4	728.00	2	1090.00	11
1965	257.00	5	299.00	2	406.00	1	452.00	1	513.00	3	595.00	2	640.00	2	658.00	1	754.00	1
1966	169.00	1	318.00	3	453.00	3	469.00	3	504.00	2	606.00	4	664.00	3	804.00	6	1060.00	9
1967	266.00	7	502.00	13	613.00	13	626.00	9	683.00	9	824.00	14	854.00	12	908.00	11	1530.00	37
1968	600.00	35	618.00	24	670.00	22	726.00	23	768.00	19	984.00	29	1050.00	28	1170.00	31	1380.00	29
1969	639.00	41	681.00	32	697.00	25	720.00	20	749.00	16	824.00	15	832.00	10	858.00	8	1100.00	13
1970	696.00	44	735.00	37	785.00	35	810.00	31	853.00	29	965.00	28	1300.00	50	1670.00	62	2090.00	61
1971	536.00	29	588.00	22	598.00	9	670.00	14	747.00	15	827.00	16	900.00	16	955.00	15	1180.00	17
1972	525.00	27	562.00	18	615.00	14	680.00	16	804.00	23	958.00	27	969.00	22	1010.00	20	1030.00	7
1973	549.00	30	599.00	23	664.00	21	766.00	27	841.00	27	1030.00	33	1130.00	33	1440.00	48	1850.00	51
1974	621.00	38	737.00	38	814.00	38	873.00	40	947.00	39	1140.00	47	1310.00	51	1470.00	52	2760.00	72
1975	610.00	36	650.00	29	705.00	26	744.00	24	935.00	38	1070.00	39	1230.00	45	1280.00	40	1540.00	38
1976	626.00	39	634.00	27	655.00	19	673.00	15	819.00	25	1100.00	43	1360.00	55	1620.00	59	2260.00	65
1977	595.00	34	739.00	39	817.00	39	915.00	44	1100.00	58	1190.00	54	1320.00	52	1450.00	49	1680.00	52
1978	518.00	26	573.00	21	612.00	11	658.00	11	708.00	11	732.00	8	866.00	15	1040.00	23	2070.00	59

STATION NUMBER 01081500

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
MERRIMACK RIVER AT FRANKLIN JUNCTION, NH

CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	26298	100.0
1	150.00	1	26298	100.0
2	180.00	6	26297	100.0
3	210.00	11	26291	100.0
4	260.00	39	26280	99.9
5	310.00	45	26241	99.8
6	370.00	69	26196	99.6
7	440.00	123	26127	99.3
8	520.00	371	26004	98.9
9	630.00	737	25633	97.5
10	750.00	1367	24896	94.7
11	900.00	2579	23529	89.5
12	1100.0	2494	20950	79.7
13	1300.0	2426	18456	70.2
14	1500.0	2904	16030	61.0
15	1800.0	2851	13126	49.9
16	2200.0	1914	10275	39.1
17	2600.0	1583	8361	31.8
18	3100.0	1437	6778	25.8
19	3700.0	1348	5341	20.3
20	4500.0	981	3993	15.2
21	5400.0	770	3012	11.5
22	6400.0	656	2242	8.5
23	7700.0	538	1586	6.0
24	9200	404	1048	3.9
25	11000	243	644	2.4
26	13000	213	401	1.5
27	16000	105	188	.7
28	19000	44	83	.3
29	22000	19	39	.1
30	27000	12	20	
31	32000	2	8	
32	38000	2	6	
33	46000	3	4	
34	55000	1	1	

VALUE EXCEEDED "P" PERCENT OF TIME

V95 = 740.00
V90 = 880.00
V75 = 1200.00
V70 = 1300.00
V50 = 1800.00
V25 = 3200.00
V10 = 5900.00

STATION NUMBER 01082000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND

MEAN

CONTOOCOOK RIVER AT PETERBOROUGH, NH

YEAR	1		3		7		14		30		60		90		120		183	
1947	2.60	5	15.00	26	23.00	29	27.00	29	30.00	27	36.00	25	39.00	25	45.00	25	49.00	20
1948	1.19	2	1.50	1	6.10	4	6.90	3	9.40	5	15.00	9	19.00	10	25.00	10	36.00	10
1949	1.70	4	5.50	7	12.00	19	13.00	18	14.00	12	16.00	10	17.00	8	23.00	8	42.00	15
1950	3.20	8	4.10	4	6.00	2	6.90	4	10.00	7	19.00	17	24.00	13	25.00	11	29.00	7
1951	1.30	3	3.40	3	9.00	12	12.00	15	14.00	13	18.00	13	22.00	11	22.00	7	39.00	12
1952	3.20	9	17.00	30	28.00	30	40.00	31	51.00	30	59.00	30	70.00	30	71.00	28	83.00	27
1953	2.80	6	4.50	5	10.00	15	11.00	14	15.00	16	19.00	14	26.00	15	26.00	15	39.00	13
1954	0.80	1	2.20	2	4.70	1	6.60	1	8.20	2	9.50	1	12.00	4	14.00	3	28.00	5
1955	11.00	21	19.00	31	31.00	31	35.00	30	54.00	31	58.00	29	76.00	31	107.00	31	123.00	31
1956	3.00	7	5.40	6	8.40	11	10.00	12	16.00	20	39.00	26	44.00	26	50.00	26	88.00	29
1957	3.60	10	6.70	10	9.40	13	10.00	13	11.00	8	16.00	11	25.00	14	25.00	12	38.00	11
1958	6.20	13	6.20	9	6.60	5	7.10	5	7.30	1	11.00	3	11.00	1	14.00	4	28.00	6
1959	12.00	22	12.00	21	12.00	16	15.00	22	21.00	25	27.00	23	30.00	20	33.00	19	44.00	16
1960	9.00	19	11.00	18	12.00	17	13.00	16	15.00	17	21.00	19	30.00	21	37.00	24	68.00	24
1961	13.00	25	14.00	24	21.00	28	26.00	28	33.00	28	48.00	28	65.00	28	78.00	30	67.00	28
1962	12.00	23	12.00	19	13.00	20	14.00	19	16.00	18	21.00	20	33.00	23	33.00	20	42.00	14
1963	7.80	16	8.00	14	8.20	9	9.10	10	12.00	9	14.00	7	17.00	9	24.00	9	47.00	18
1964	6.00	12	6.00	8	6.10	3	6.90	2	9.20	4	11.00	4	13.00	5	14.00	5	25.00	4
1965	7.80	17	8.00	15	8.20	10	8.60	7	9.90	6	11.00	5	11.00	2	11.00	1	13.00	1
1966	6.50	14	6.90	11	8.00	7	8.80	8	12.00	10	14.00	6	15.00	6	15.00	6	18.00	2
1967	6.90	15	7.00	12	7.50	6	8.40	6	8.50	3	10.00	2	11.00	3	13.00	2	24.00	3
1968	9.80	20	10.00	17	12.00	18	13.00	17	18.00	22	20.00	18	24.00	12	26.00	13	51.00	21
1969	8.90	18	9.00	16	9.80	14	10.00	11	14.00	14	15.00	8	16.00	7	26.00	14	64.00	23
1970	15.00	29	15.00	27	15.00	25	15.00	23	20.00	24	39.00	27	50.00	27	65.00	27	75.00	26
1971	15.00	30	16.00	29	17.00	27	19.00	27	25.00	26	33.00	24	33.00	24	36.00	22	47.00	19
1972	13.00	26	13.00	22	14.00	22	16.00	24	18.00	23	26.00	22	27.00	16	29.00	16	34.00	9
1973	15.00	31	15.00	28	16.00	26	17.00	25	17.00	21	23.00	21	29.00	19	37.00	23	74.00	25
1974	13.00	27	14.00	25	14.00	23	14.00	20	16.00	19	19.00	15	28.00	18	33.00	21	62.00	22
1975	5.10	11	7.00	13	8.20	8	9.10	9	12.00	11	19.00	16	27.00	17	31.00	18	46.00	17
1976	13.00	28	13.00	23	15.00	24	19.00	26	46.00	29	65.00	31	66.00	29	74.00	29	114.00	30
1977	12.00	24	12.00	20	13.00	21	14.00	21	15.00	15	18.00	12	31.00	22	30.00	17	31.00	8

STATION NUMBER 01082000

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
CONTOOCOOK RIVER AT PETERBOROUGH, NH

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	11688	100.0	12	11.0	393	11141	95.3	24	200.0	539	1906	16.3
1	0.7	2	11688	100.0	13	14.0	607	10748	92.0	25	250.0	467	1367	11.6
2	1.0	2	11686	100.0	14	18.0	697	10141	86.8	26	320.0	353	900	7.7
3	1.3	8	11684	100.0	15	23.0	637	9444	80.8	27	410.0	245	547	4.6
4	1.6	14	11676	99.9	16	29.0	710	8807	75.4	28	520.0	128	302	2.5
5	2.1	5	11662	99.8	17	37.0	848	8097	69.3	29	650.0	105	174	1.4
6	2.7	13	11657	99.7	18	47.0	878	7249	62.0	30	830.0	46	69	.5
7	3.4	23	11644	99.6	19	60.0	885	6371	54.5	31	1100.0	12	23	.1
8	4.3	37	11621	99.4	20	76.0	1064	5486	46.9	32	1300.0	11	11	
9	5.4	76	11584	99.1	21	96.0	868	4422	37.8	33	1700.0			
10	6.9	144	11508	98.5	22	120.0	960	3554	30.4	34	2200.0			
11	8.8	223	11364	97.2	23	160.0	688	2594	22.2					

VALUE EXCEEDED "P" PERCENT OF TIME

V95 =	11.0
V90 =	16.0
V75 =	29.0
V70 =	36.0
V50 =	70.0
V25 =	150.0
V10 =	280.0

STATION NUMBER 01083000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
NUBANUSIT BROOK NEAR PETERBOROUGH, NH

YEAR	1		3		7		14		30		60		90		120		183	
1922	3.00	15	5.70	22	20.00	39	22.00	36	22.00	33	25.00	30	26.00	25	30.00	27	38.00	26
1923	3.00	16	7.50	26	17.00	35	23.00	37	26.00	34	30.00	34	31.00	32	31.00	28	39.00	27
1924	1.30	7	1.70	5	1.70	2	1.90	2	16.00	14	20.00	17	21.00	14	22.00	13	29.00	16
1925	2.00	10	2.10	6	3.50	6	9.80	12	16.00	15	20.00	18	24.00	20	27.00	24	27.00	12
1926	1.00	4	1.10	3	4.20	8	14.00	23	19.00	24	21.00	19	24.00	21	26.00	21	28.00	13
1927	0.50	1	1.00	2	1.70	3	14.00	24	17.00	18	23.00	24	25.00	22	26.00	22	31.00	19
1928	1.00	5	7.70	27	27.00	41	29.00	41	30.00	38	31.00	35	32.00	33	32.00	30	45.00	30
1929	2.00	11	10.00	33	15.00	27	19.00	32	21.00	31	42.00	42	49.00	41	47.00	38	56.00	36
1930	1.00	6	1.70	4	5.60	15	13.00	21	17.00	19	18.00	12	20.00	10	21.00	9	22.00	4
1931	0.90	3	3.10	10	8.10	20	11.00	14	15.00	12	18.00	13	21.00	15	22.00	10	24.00	9
1947	3.00	17	9.60	32	16.00	31	19.00	33	22.00	32	26.00	32	30.00	31	32.00	31	35.00	22
1948	5.10	29	9.30	31	18.00	36	20.00	34	20.00	30	22.00	20	22.00	16	24.00	17	30.00	17
1949	3.20	20	4.00	13	18.00	37	18.00	29	19.00	25	23.00	25	26.00	23	28.00	25	37.00	25
1950	3.00	18	4.00	14	4.20	9	13.00	22	19.00	26	22.00	21	22.00	17	24.00	18	26.00	10
1951	2.40	12	2.70	9	3.40	5	6.70	5	13.00	9	18.00	14	22.00	18	23.00	14	32.00	20
1952	4.80	28	6.10	23	6.40	18	26.00	39	32.00	39	34.00	38	36.00	37	38.00	35	51.00	34
1953	4.30	25	5.50	21	6.20	17	29.00	40	29.00	37	32.00	36	32.00	34	32.00	32	36.00	23
1954	1.80	9	2.10	7	4.00	7	12.00	15	13.00	10	14.00	8	17.00	6	18.00	6	26.00	11
1955	5.40	30	15.00	40	32.00	42	32.00	42	38.00	42	41.00	40	51.00	42	66.00	42	84.00	41
1956	6.20	33	7.10	25	7.40	19	8.40	9	10.00	5	22.00	22	33.00	35	42.00	37	64.00	39
1957	13.00	39	14.00	37	16.00	32	18.00	30	19.00	27	20.00	15	24.00	19	23.00	15	30.00	18
1959	4.20	24	6.20	24	9.20	23	12.00	16	18.00	22	23.00	26	28.00	27	32.00	33	37.00	24
1960	5.60	32	8.30	28	20.00	38	21.00	35	26.00	35	30.00	33	33.00	36	38.00	36	47.00	31
1961	6.30	34	9.20	30	22.00	40	24.00	38	28.00	36	33.00	37	39.00	38	48.00	39	65.00	40
1962	16.00	42	16.00	41	17.00	33	18.00	31	19.00	23	24.00	27	28.00	28	27.00	23	29.00	14
1963	15.00	40	15.00	38	15.00	28	16.00	25	16.00	16	17.00	11	17.00	7	21.00	7	40.00	28
1964	3.20	21	3.40	11	5.30	12	8.90	10	11.00	6	11.00	4	14.00	4	15.00	4	23.00	7
1965	3.10	19	5.30	20	5.40	13	6.10	4	7.20	3	9.50	3	10.00	3	11.00	2	12.00	1
1966	2.70	13	2.70	8	2.80	4	3.10	3	4.70	2	5.00	2	7.50	2	10.00	1	12.00	2
1967	0.60	2	0.60	1	0.73	1	0.89	1	2.30	1	4.80	1	6.90	1	12.00	3	22.00	5
1968	16.00	41	16.00	42	17.00	34	17.00	26	20.00	28	25.00	31	28.00	29	31.00	29	43.00	29
1969	1.70	8	3.40	12	5.10	11	13.00	17	17.00	20	24.00	28	27.00	26	28.00	26	48.00	32
1970	2.70	14	4.50	17	15.00	29	17.00	27	32.00	40	36.00	39	43.00	39	55.00	41	58.00	37
1971	10.00	35	11.00	34	12.00	25	13.00	18	17.00	21	20.00	16	20.00	11	25.00	19	29.00	15
1972	5.50	31	8.40	29	8.90	22	10.00	13	16.00	17	16.00	10	18.00	8	22.00	11	24.00	8
1973	11.00	37	15.00	39	16.00	30	17.00	28	20.00	29	25.00	29	30.00	30	34.00	34	50.00	33
1974	11.00	38	12.00	36	12.00	26	13.00	19	15.00	13	22.00	23	26.00	24	26.00	20	54.00	35
1975	4.60	27	5.20	18	6.00	16	7.60	7	11.00	7	13.00	5	20.00	12	23.00	16	35.00	21
1976	10.00	36	11.00	35	11.00	24	13.00	20	33.00	41	42.00	41	45.00	40	52.00	40	90.00	42

STATION NUMBER 01083000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND

MEAN

NUHANUSIT BROOK NEAR PETERBOROUGH, NH

YEAR	1		3		7		14		30		60		90		120		183	
1977	4.10	23	5.30	19	8.80	21	9.00	11	13.00	11	15.00	9	21.00	13	22.00	12	22.00	6
1978	3.40	22	4.30	15	5.60	14	8.00	8	9.50	4	13.00	6	18.00	9	21.00	8	60.00	38
1979	4.50	26	4.50	16	4.70	10	7.50	6	11.00	8	13.00	7	15.00	5	16.00	5	17.00	3

STATION NUMBER 01083000

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
NUBANUSIT BROOK NEAR PETERBOROUGH, NH

NUMBER OF DAYS IN CLASS

CLASS / YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1977										1	1	4	6	5	42	40	51	22	43	20	13	11	23	11	16	10	5	13	3	7	6	7	5		
1978											1	9	2	3	20	21	12	18	13	2	14	14	42	44	31	25	14	28	21	20	7	4			
1979											5	4	3	5	6	14	53	21	19	30	40	33	22	20	15	7	8	20	4	8	5	17	6		

CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	15705	100.0
1	0.50	1	15705	100.0
2	0.60	4	15704	100.0
3	0.80	8	15700	100.0
4	1.00	19	15692	99.9
5	1.20	13	15673	99.8
6	1.60	29	15660	99.7
7	1.90	94	15631	99.5
8	2.40	83	15537	98.9
9	3.10	66	15454	98.4
10	3.80	168	15388	98.0
11	4.80	289	15220	96.9
12	6.1	208	14931	95.1
13	7.6	265	14723	93.7
14	9.5	360	14458	92.1
15	12.0	436	14098	89.8
16	15.0	766	13662	87.0
17	19.0	809	12896	82.1
18	24.0	857	12087	77.0
19	30.0	984	11230	71.5
20	37.0	1960	10246	65.2
21	47.0	1577	8286	52.8
22	59.0	1254	6709	42.7
23	73.0	1220	5455	34.7
24	92	1075	4235	26.9
25	120	805	3160	20.1
26	150	580	2355	14.9
27	180	625	1775	11.3
28	230	429	1150	7.3
29	290	292	721	4.5
30	360	175	429	2.7
31	450	178	254	1.6
32	570	65	76	.4
33	710	9	11	
34	890	2	2	

VALUE EXCEEDED 'P' PERCENT OF TIME

V95 = 6.20
V90 = 12.00
V75 = 26.00
V70 = 32.00
V50 = 50.00
V25 = 100.00
V10 = 200.00

STATION NUMBER 01084000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND

MEAN

NORTH BRANCH CONTOOCOOK RIVER NEAR ANTRIM, NH

YEAR	1	3	7	14	30	60	90	120	183
1926	4.00 30	4.40 32	4.70 30	6.60 35	9.20 33	11.00 27	12.00 21	14.00 16	22.00 9
1927	4.90 37	4.90 36	6.10 38	9.90 41	16.00 41	23.00 42	26.00 37	27.00 31	34.00 22
1928	11.00 43	11.00 43	12.00 43	13.00 43	16.00 42	20.00 39	24.00 33	25.00 29	47.00 31
1929	24.00 45	26.00 45	27.00 44	27.00 44	29.00 44	35.00 43	46.00 43	55.00 42	60.00 37
1930	4.50 35	4.50 34	4.90 34	5.30 30	6.90 26	8.70 19	10.00 14	15.00 17	16.00 2
1931	6.10 41	6.10 40	6.10 39	6.30 33	6.90 27	9.80 25	12.00 22	13.00 14	23.00 12
1932	4.00 31	4.00 30	4.80 31	6.90 37	9.00 32	9.60 22	10.00 15	12.00 12	22.00 10
1933	2.90 23	3.00 23	3.30 24	3.70 21	4.40 18	7.10 15	8.60 11	9.50 8	34.00 23
1934	5.70 39	5.80 39	6.60 40	7.80 39	8.50 31	13.00 32	21.00 31	35.00 36	59.00 35
1935	4.30 33	4.40 33	4.80 32	5.20 29	5.60 21	7.90 16	25.00 35	31.00 35	48.00 32
1936	5.50 38	5.70 38	5.90 37	7.00 38	7.90 30	11.00 28	11.00 19	15.00 18	29.00 20
1937	1.80 16	1.90 18	2.40 18	2.90 17	3.50 14	4.80 12	6.00 10	12.00 9	16.00 3
1938	4.80 36	5.00 37	5.70 36	6.60 36	11.00 35	22.00 40	31.00 39	39.00 37	81.00 43
1939	8.00 42	9.00 42	9.70 42	12.00 42	17.00 43	46.00 44	74.00 45	74.00 45	102.00 45
1940	2.10 20	2.20 19	2.90 22	4.30 23	6.60 25	7.90 17	10.00 16	17.00 21	26.00 15
1941	3.00 24	3.10 24	3.70 25	4.80 25	5.70 22	9.70 23	14.00 24	21.00 27	37.00 24
1942	1.60 12	1.70 12	2.00 13	2.50 14	3.30 13	3.90 9	4.60 8	6.70 5	17.00 4
1943	3.50 28	3.60 28	4.00 28	4.50 24	9.30 34	15.00 33	24.00 34	27.00 30	40.00 25
1944	3.10 25	3.20 26	3.90 27	5.10 28	13.00 38	15.00 34	20.00 27	19.00 25	42.00 28
1945	2.40 22	2.50 22	2.70 21	2.70 16	3.60 15	8.50 18	40.00 42	42.00 38	56.00 34
1946	6.10 40	6.60 41	7.50 41	7.90 40	14.00 39	16.00 35	21.00 28	30.00 34	66.00 39
1947	1.60 13	1.80 16	2.10 17	3.10 18	7.70 29	10.00 26	9.80 13	17.00 22	28.00 16
1948	3.10 26	3.20 27	3.80 26	4.90 26	5.30 19	9.80 24	19.00 26	19.00 26	24.00 13
1949	0.30 4	0.37 5	0.44 3	0.54 3	0.70 3	1.40 4	2.60 4	12.00 10	28.00 17
1950	3.10 27	3.10 25	3.10 23	3.70 22	4.00 16	4.60 11	4.70 9	12.00 11	17.00 5
1951	0.50 6	0.53 6	0.63 6	0.96 7	1.50 8	3.00 7	16.00 25	16.00 20	32.00 21
1952	22.00 44	24.00 44	27.00 45	40.00 45	47.00 45	52.00 45	54.00 44	56.00 43	74.00 40
1953	1.40 10	1.40 10	1.60 10	2.10 11	3.10 11	4.30 10	4.10 7	6.80 6	19.00 7
1954	0.60 7	0.67 9	0.77 8	0.89 6	1.10 5	2.80 6	2.60 5	3.30 3	19.00 8
1955	1.70 14	1.70 13	2.00 14	3.20 20	6.10 23	13.00 29	26.00 36	47.00 41	76.00 41
1956	0.30 5	0.33 3	0.50 4	0.68 4	1.50 6	22.00 41	33.00 40	45.00 40	77.00 42
1957	0.60 8	0.60 7	0.79 9	1.10 9	1.60 9	6.90 14	11.00 17	14.00 15	28.00 18
1958	1.40 11	1.50 11	1.70 11	1.90 10	2.00 10	2.40 5	3.70 6	7.70 7	23.00 11
1959	3.80 29	4.00 29	4.30 29	5.60 31	12.00 36	17.00 37	23.00 32	23.00 28	40.00 26
1960	4.20 32	4.30 31	4.80 33	5.80 32	7.20 28	13.00 30	21.00 29	29.00 33	40.00 27
1961	4.40 34	4.70 35	5.00 35	6.50 34	13.00 37	17.00 38	27.00 38	56.00 44	85.00 44
1962	1.80 17	1.90 17	2.00 15	2.40 13	5.30 20	9.00 21	12.00 20	13.00 13	26.00 14
1963	1.80 18	1.80 14	2.00 16	2.60 15	4.00 17	8.80 20	13.00 23	15.00 19	60.00 36
1964	0.60 9	0.63 8	0.71 7	0.75 5	0.83 4	1.30 3	2.00 3	4.00 4	28.00 19

STATION NUMBER 01084000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND

MEAN

NORTH BRANCH CONTOOCOOK RIVER NEAR ANTRIM, NH

YEAR	1		3		7		14		30		60		90		120		183	
1965	0.10	1	0.10	1	0.10	1	0.12	1	0.19	1	0.79	2	0.80	1	1.10	1	9.60	1
1966	0.10	2	0.10	2	0.11	2	0.18	2	0.34	2	0.53	1	0.88	2	2.60	2	18.00	6
1967	0.30	3	0.37	4	0.50	5	1.00	8	1.50	7	3.50	8	11.00	18	18.00	23	46.00	30
1968	2.10	19	2.20	20	2.60	19	3.10	19	6.10	24	13.00	31	21.00	30	28.00	32	43.00	29
1969	1.70	15	1.80	15	1.90	12	2.20	12	3.20	12	5.30	13	9.10	12	18.00	24	65.00	38
1970	2.30	21	2.40	21	2.60	20	5.10	27	14.00	40	16.00	36	39.00	41	43.00	39	51.00	33

STATION NUMBER 01084000

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
NORTH BRANCH CONTOOCOOK RIVER NEAR ANTRIM, NH

NUMBER OF DAYS IN CLASS

CLASS / YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1965		8	13	7	12	27	9	8	13	12	3	8	6	5	4	20	58	26
1966				2	3	6	3	6	5	7	10	9	5	3	5	8	8	11
1967										2	6	5	4	6	4	7	8	11
1968										8	6	15	12	13	8	10	19	23
1969											10	2	11	8	7	11	22	22
1970						2	7	9	16	8	7	5	8	7	6	18	21	7

CLASS / YEAR	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1965	29	35	27	9	7	6	5	4	3	1							
1966	56	53	42	48	33	21	12	8	1								
1967	32	63	68	48	28	21	12	14	20	6							
1968	38	32	32	39	41	20	17	12	8	7	6						
1969	30	52	46	32	39	18	16	10	6	8	7	6	2				
1970	14	28	29	41	35	21	22	25	17	12							

CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	16801	100.0
1	0.1	17	16801	100.0
2	0.2	18	16784	99.9
3	0.3	14	16766	99.8
4	0.4	31	16752	99.7
5	0.5	60	16721	99.5
6	0.7	91	16661	99.2
7	0.9	81	16570	98.6
8	1.2	133	16489	98.1
9	1.7	181	16356	97.4
10	2.3	237	16175	96.3
11	3.2	321	15938	94.9

CLASS	VALUE	TOTAL	ACCUM	PERCT
12	4.3	457	15617	93.0
13	5.9	574	15160	90.2
14	8.1	562	14586	86.8
15	11.0	714	14024	83.5
16	15.0	920	13310	79.2
17	21.0	893	12390	73.7
18	28.0	1394	11497	68.4
19	39.0	1687	10103	60.1
20	53.0	1970	8416	50.1
21	73.0	1579	6446	38.4
22	100.0	1396	4867	29.0
23	140.0	1086	3471	20.7

CLASS	VALUE	TOTAL	ACCUM	PERCT
24	190.0	860	2385	14.1
25	260.0	609	1525	9.0
26	350.0	442	916	5.4
27	480.0	279	474	2.8
28	660.0	114	195	1.1
29	900.0	48	81	.4
30	1200.0	28	33	.1
31	1700.0	1	5	
32	2300.0	3	4	
33	3200.0	1	1	
34				

VALUE EXCEEDED "P" PERCENT OF TIME

V95 = 3.1
V90 = 6.0
V75 = 20.0
V70 = 26.0
V50 = 53.0
V25 = 120.0
V10 = 250.0

STATION NUMBER 01084500

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
BEARDS BROOK NEAR HILLSBORO, NH

YEAR	1		3		7		14		30		60		90		120		183	
1947	3.00	18	3.40	18	4.20	20	6.50	22	9.90	21	13.00	19	14.00	18	17.00	17	20.00	11
1948	2.20	14	2.20	13	2.30	12	2.50	8	2.60	5	3.60	5	5.30	7	10.00	11	18.00	7
1949	1.19	5	1.19	4	1.30	4	1.40	4	1.50	3	2.70	4	4.60	4	7.00	6	20.00	12
1950	3.50	21	3.80	21	4.20	21	4.90	19	5.90	18	7.30	13	8.00	12	8.60	8	12.00	3
1951	1.40	6	1.40	6	1.60	5	2.50	9	3.20	9	4.80	9	7.80	10	9.30	10	21.00	13
1952	16.00	24	17.00	24	20.00	24	27.00	24	37.00	24	45.00	24	47.00	24	49.00	23	61.00	22
1953	2.00	11	2.00	11	2.20	10	3.30	15	3.60	12	4.10	8	5.20	6	5.30	4	12.00	4
1954	1.60	7	1.70	7	1.90	7	2.40	5	3.40	10	3.80	6	6.20	8	6.00	5	12.00	5
1955	2.50	15	2.60	15	3.00	15	4.20	18	8.10	19	14.00	20	26.00	21	40.00	22	69.00	23
1956	1.70	9	1.90	9	2.50	14	3.20	14	4.70	14	19.00	23	30.00	23	31.00	21	57.00	21
1957	2.10	13	2.20	14	2.40	13	2.80	10	3.10	6	6.10	12	11.00	15	11.00	12	19.00	10
1958	2.00	12	2.10	12	2.30	11	2.50	6	3.40	11	4.10	7	4.90	5	7.10	7	18.00	8
1959	6.60	23	6.80	23	8.00	23	8.70	23	12.00	22	14.00	21	18.00	19	18.00	18	31.00	16
1960	1.60	8	1.70	8	1.90	8	2.90	12	4.60	13	7.70	15	9.40	13	13.00	14	27.00	15
1961	3.20	19	3.60	20	4.10	19	5.10	20	12.00	23	17.00	22	26.00	22	56.00	24	71.00	24
1962	2.60	16	3.00	17	3.60	17	4.00	16	5.80	17	7.70	16	8.00	11	9.10	9	15.00	6
1963	3.40	20	3.50	19	3.90	18	4.00	17	5.20	16	11.00	18	11.00	16	13.00	15	44.00	19
1964	0.30	1	0.40	1	0.47	1	0.60	1	1.80	4	2.30	3	2.90	3	3.30	2	19.00	9
1965	0.90	3	0.90	3	0.99	3	1.10	3	1.10	2	1.70	2	2.20	2	2.30	1	3.40	1
1966	0.50	2	0.53	2	0.60	2	0.77	2	0.99	1	1.30	1	1.60	1	3.50	3	7.70	2
1967	1.19	4	1.30	5	1.80	6	2.80	11	3.10	7	5.40	11	14.00	17	18.00	19	40.00	18
1968	2.60	17	2.80	16	3.10	16	3.20	13	5.10	15	7.60	14	10.00	14	13.00	16	24.00	14
1969	1.90	10	2.00	10	2.20	9	2.50	7	3.20	8	5.30	10	7.70	9	11.00	13	54.00	20
1970	4.10	22	4.50	22	4.80	22	5.60	21	8.40	20	10.00	17	19.00	20	24.00	20	37.00	17

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STATION NUMBER 01084500

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
BEARDS BROOK NEAR HILLSBORO, NH

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	9131	100.0	12	5.5	374	7907	86.6	24	130.0	452	1842	20.1
1	0.2	1	9131	100.0	13	7.2	371	7533	82.5	25	170.0	415	1390	15.2
2	0.4	2	9130	100.0	14	9.4	258	7162	78.4	26	220.0	314	975	10.6
3	0.5	11	9128	100.0	15	12.0	376	6904	75.6	27	290.0	245	661	7.2
4	0.7	18	9117	99.8	16	16.0	479	6528	71.5	28	380.0	173	416	4.5
5	0.9	28	9099	99.6	17	21.0	501	6049	66.2	29	500.0	102	243	2.6
6	1.1	80	9071	99.3	18	27.0	539	5548	60.8	30	650.0	65	141	1.5
7	1.5	75	8991	98.5	19	35.0	720	5009	54.9	31	840.0	51	76	.8
8	1.9	159	8916	97.6	20	46.0	676	4289	47.0	32	1100.0	18	25	.2
9	2.5	207	8757	95.9	21	60.0	695	3613	39.6	33	1400.0	6	7	
10	3.2	295	8550	93.6	22	78.0	567	2918	32.0	34	1900.0	1	1	
11	4.2	348	8255	90.4	23	100.0	509	2351	25.7					

VALUE EXCEEDED "P" PERCENT OF TIME

	Q	CFS / mi 2
V95 =	2.8	0.0505
V90 =	4.3	0.0776
V75 =	13.0	0.235
V70 =	17.0	0.307
V50 =	42.0	0.758
V25 =	100.0	1.81
V10 =	230.0	4.15

STATION NUMBER 01085000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
CONTOOCOOK RIVER NEAR HENNIKER, NH

YEAR	1		3		7		14		30		60		90		120		183	
1941	19.00	1	36.00	4	49.00	11	75.00	18	89.00	18	129.00	24	136.00	20	163.00	20	235.00	19
1942	33.00	9	55.00	20	64.00	17	68.00	17	73.00	12	76.00	5	79.00	5	94.00	6	122.00	3
1943	29.00	3	89.00	33	159.00	36	171.00	35	187.00	34	195.00	31	200.00	28	215.00	29	280.00	23
1944	57.00	25	74.00	29	82.00	29	87.00	25	100.00	24	132.00	25	157.00	24	166.00	23	290.00	25
1945	64.00	29	108.00	35	142.00	34	149.00	32	173.00	31	185.00	30	318.00	35	311.00	33	372.00	30
1946	87.00	35	97.00	34	111.00	33	150.00	33	178.00	33	219.00	34	224.00	30	269.00	30	408.00	32
1947	57.00	26	59.00	22	71.00	22	161.00	34	175.00	32	196.00	32	202.00	29	206.00	28	214.00	18
1948	29.00	4	39.00	8	70.00	21	76.00	19	85.00	15	111.00	17	132.00	17	151.00	19	181.00	12
1949	35.00	10	43.00	13	55.00	14	66.00	14	80.00	13	90.00	11	112.00	9	140.00	17	204.00	15
1950	40.00	15	52.00	18	78.00	27	88.00	26	102.00	25	113.00	18	115.00	11	123.00	8	139.00	4
1951	32.00	8	39.00	9	49.00	12	60.00	12	72.00	11	88.00	9	114.00	10	129.00	11	208.00	16
1952	91.00	36	122.00	36	145.00	35	213.00	36	278.00	37	334.00	37	351.00	36	357.00	35	425.00	33
1953	56.00	24	68.00	27	73.00	24	80.00	21	93.00	19	125.00	23	141.00	21	137.00	15	187.00	13
1954	37.00	12	38.00	6	41.00	6	49.00	8	70.00	9	81.00	8	92.00	6	93.00	5	154.00	7
1955	112.00	37	183.00	37	210.00	37	222.00	37	246.00	36	277.00	36	363.00	37	480.00	37	611.00	37
1956	60.00	27	62.00	23	64.00	18	68.00	15	114.00	26	204.00	33	265.00	33	281.00	31	475.00	34
1957	42.00	18	47.00	16	56.00	15	57.00	11	67.00	8	96.00	12	123.00	15	138.00	16	178.00	10
1958	47.00	13	39.00	7	40.00	4	43.00	4	53.00	5	64.00	4	75.00	4	86.00	4	150.00	6
1959	63.00	28	67.00	25	86.00	30	108.00	29	118.00	27	155.00	27	176.00	27	191.00	25	250.00	21
1960	49.00	21	56.00	21	67.00	20	81.00	22	84.00	14	114.00	20	155.00	23	177.00	24	283.00	24
1961	66.00	30	68.00	26	87.00	31	112.00	30	147.00	30	175.00	28	230.00	31	410.00	36	482.00	35
1962	39.00	14	50.00	17	60.00	16	66.00	13	87.00	16	106.00	15	131.00	16	135.00	14	176.00	9
1963	36.00	11	40.00	10	41.00	5	48.00	6	71.00	10	113.00	19	104.00	8	126.00	9	305.00	26
1964	31.00	5	33.00	2	37.00	2	40.00	2	48.00	3	55.00	3	60.00	3	65.00	2	149.00	5
1965	32.00	6	36.00	5	38.00	3	40.00	3	45.00	1	50.00	1	52.00	1	55.00	1	66.00	1
1966	19.00	2	21.00	1	21.00	1	28.00	1	46.00	2	52.00	2	58.00	2	69.00	3	95.00	2
1967	43.00	19	45.00	15	47.00	10	54.00	9	62.00	7	77.00	6	93.00	7	106.00	7	208.00	17
1968	80.00	34	82.00	32	89.00	32	105.00	28	126.00	28	145.00	26	170.00	26	192.00	26	266.00	22
1969	65.00	31	70.00	28	72.00	23	76.00	20	94.00	21	117.00	21	141.00	22	165.00	22	395.00	31
1970	49.00	22	54.00	19	66.00	19	112.00	31	140.00	29	184.00	29	245.00	32	297.00	32	356.00	27
1971	51.00	23	63.00	24	77.00	25	84.00	23	99.00	23	103.00	13	121.00	14	130.00	12	191.00	14
1972	41.00	16	42.00	11	43.00	7	57.00	10	88.00	17	117.00	22	119.00	13	129.00	10	159.00	8
1973	73.00	32	75.00	30	82.00	28	89.00	27	93.00	20	110.00	16	134.00	19	164.00	21	357.00	28
1974	76.00	33	76.00	31	77.00	26	85.00	24	95.00	22	104.00	14	165.00	25	198.00	27	363.00	29
1975	44.00	20	44.00	14	46.00	9	48.00	7	51.00	4	77.00	7	118.00	12	144.00	18	244.00	20
1976	32.00	7	35.00	3	54.00	13	68.00	16	207.00	35	246.00	35	268.00	34	335.00	34	573.00	36
1977	42.00	17	42.00	12	44.00	8	46.00	5	60.00	6	90.00	10	133.00	18	131.00	13	180.00	11

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STATION NUMBER 01085000

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
CONTOOCOOK RIVER NEAR HENNIKER, NH

CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	13880	100.0
1	19.0	8	13880	100.0
2	23.0	4	13872	99.9
3	27.0	18	13868	99.9
4	33.0	53	13850	99.8
5	40.0	185	13797	99.4
6	48.0	193	13612	98.1
7	57.0	310	13419	96.7
8	69.0	364	13109	94.4
9	83.0	490	12745	91.8
10	100.0	585	12255	88.3
11	120.0	489	11670	84.1
12	140.0	700	11181	80.6
13	170.0	981	10481	75.5
14	210.0	960	9500	68.4
15	250.0	869	8540	61.5
16	300.0	957	7671	55.3
17	360.0	873	6714	48.4
18	430.0	875	5841	42.1
19	520.0	870	4966	35.8
20	630.0	667	4096	29.5
21	760.0	576	3429	24.7
22	910.0	512	2853	20.6
23	1100.0	496	2341	16.9
24	1300.0	540	1845	13.2
25	1600.0	321	1305	9.4
26	1900.0	349	984	7.0
27	2300.0	195	635	4.5
28	2700.0	204	440	3.1
29	3300.0	112	236	1.7
30	4000.0	61	124	.8
31	4800.0	39	63	.4
32	5700.0	15	24	.1
33	6900.0	8	9	
34	8300.0	1	1	

VALUE EXCEEDED "P" PERCENT OF TIME

V95 = 66.0
V90 = 92.0
V75 = 170.0
V70 = 200.0
V50 = 350.0
V25 = 750.0
V10 = 1600.0

STATION NUMBER 01085500

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
CONTOOCOOK R BL HOPKINTON DAM AT W HOPKINTON, NH

YEAR	1		3		7		14		30		60		90		120		183
1965	17.00	2	31.00	3	41.00	3	49.00	3	59.00	3	64.00	2	66.00	1	69.00	1	81.00
1966	15.00	1	23.00	1	24.00	1	31.00	1	51.00	1	62.00	1	67.00	2	79.00	2	104.00
1967	21.00	4	34.00	4	60.00	6	66.00	6	71.00	5	87.00	4	108.00	4	121.00	4	239.00
1968	46.00	11	65.00	11	88.00	13	114.00	14	130.00	13	152.00	13	180.00	11	208.00	12	298.00
1969	38.00	9	64.00	9	75.00	8	81.00	8	103.00	10	131.00	11	154.00	10	179.00	11	433.00
1970	67.00	15	72.00	13	89.00	14	116.00	15	146.00	14	190.00	14	258.00	14	322.00	14	385.00
1971	38.00	10	69.00	12	84.00	10	91.00	11	110.00	11	112.00	7	130.00	7	141.00	6	208.00
1972	20.00	3	30.00	2	36.00	2	57.00	4	96.00	8	120.00	9	124.00	5	136.00	5	167.00
1973	51.00	12	74.00	14	85.00	11	89.00	10	94.00	7	117.00	8	141.00	8	177.00	9	386.00
1974	60.00	14	93.00	15	98.00	15	103.00	13	120.00	12	131.00	10	191.00	13	220.00	13	418.00
1975	25.00	5	49.00	7	57.00	5	60.00	5	67.00	4	96.00	6	141.00	9	168.00	7	270.00
1976	55.00	13	61.00	8	77.00	9	92.00	12	249.00	15	283.00	15	303.00	15	368.00	15	619.00
1977	27.00	6	65.00	10	85.00	12	88.00	9	101.00	9	137.00	12	186.00	12	179.00	10	213.00
1978	35.00	7	40.00	5	63.00	7	76.00	7	84.00	6	92.00	5	128.00	6	177.00	6	450.00
1979	35.00	8	40.00	6	43.00	4	47.00	2	58.00	2	78.00	3	80.00	3	90.00	3	127.00

STATION NUMBER 01085500

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
CONTOOCOOK R BL HOPKINTON DAM AT W HOPKINTON, NH

NUMBER OF DAYS IN CLASS

CLASS / YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	3
1964				3	4	7	8	20	12	17	22	23	19	15	12	4	4	9	25	19	25	17	11	9	15	11	10	10	13	14	3	1	4		
1965		2	8	10	12	7	7	14	17	20	12	45	30	21	19	26	19	27	20	8	8	8	5	4	6	1	1	6	2						
1966				3		5	1	6	8	13	16	27	22	21	28	31	21	31	12	7	15	15	12	18	29	14	4	1	2	3					
1967								3			3	10	4	8	14	18	25	24	44	35	46	29	20	10	13	5	8	5	8	10	8	11	4		
1968							2	2	2	2	2	8	9	15	22	25	31	28	42	26	27	13	15	19	16	14	12	9	6	2	2	2	13		
1969							1		1	3	13	5	14	18	18	15	9	23	41	39	32	22	15	18	13	8	2	14	12	7	4	5	5	8	
1970							1	3	2	5	8	16	22	17	10	27	20	10	3	8	27	35	20	16	20	16	8	13	19	17	13	7	2		
1971			1			2	4	4		3	4	25	27	21	21	29	27	32	22	30	25	10	13	11	5	6	3	4	9	11	9	5	2		
1972								3	3	6	4	8	19	22	20	18	14	17	14	15	29	40	33	14	9	13	6	12	11	13	12	2	2	7	
1973									2	1	3	5	14	9	18	11	17	14	9	12	20	26	17	24	25	17	24	21	25	23	14	6	6	2	
1974				1	1	1	4	4	7	7	9	22	16	6	17	26	9	12	20	9	12	19	16	31	25	23	20	16	10	9	5	4	1	3	
1975									2	1	6	4	7	8	10	20	14	34	27	36	47	31	18	17	16	11	14	12	14	8	6	2			
1976						2		3		4	5	9	8	24	20	16	7	13	5	4	13	15	21	27	46	30	17	23	16	24	9	4	1		
1977					1	1	7	3	2	11	11	18	48	31	26	18	13	22	17	27	14	16	17	10	5	6	5	7	6	4	6	4	3	5	
1978						2	12	17	9	15	7	7	6	8	6	6	3	1	13	13	30	22	27	23	31	24	16	15	18	15	14	5			
1979								3		3	6	11	11	24	36	25	22	26	30	26	30	16	7	6	4	4	8	11	11	12	12	7	11	3	

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	5844	100.0	12	110.0	276	5087	87.0	24	900	278	1437	24.5
1	15.00	2	5844	100.0	13	130.0	268	4811	82.3	25	1100	203	1159	19.8
2	18.00	9	5842	100.0	14	150.0	297	4543	77.7	26	1300	158	956	16.3
3	21.00	17	5833	99.8	15	180.0	315	4246	72.7	27	1500	179	798	13.6
4	26.00	18	5816	99.5	16	220.0	255	3931	67.3	28	1800	182	619	10.5
5	31.00	27	5798	99.2	17	260.0	323	3676	62.9	29	2200	172	437	7.4
6	37.00	47	5771	98.8	18	310.0	344	3353	57.4	30	2600	117	265	4.5
7	44.00	85	5724	97.9	19	370.0	314	3009	51.5	31	3100	65	148	2.5
8	52.00	67	5639	96.5	20	440.0	400	2695	46.1	32	3700	54	83	1.4
9	62.00	111	5572	95.3	21	530.0	334	2295	39.3	33	4500	28	29	.4
10	75.00	131	5461	93.4	22	630.0	267	1961	33.6	34	5400	1	1	
11	89.00	243	5330	91.2	23	750.0	257	1694	29.0					

VALUE EXCEEDED "P" PERCENT OF TIME

V95 = 64.00
V90 = 95.00
V75 = 170.00
V70 = 200.00
V50 = 390.00
V25 = 890.00
V10 = 1900.00

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STATION NUMBER 01085800

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
WEST BRANCH WARNER RIVER NEAR BRADFORD, NH

YEAR	1		3		7		14		30		60		90		120		183	
1964	0.14	4	0.15	4	0.17	4	0.17	3	0.31	3	0.35	2	0.42	2	0.46	2	2.40	6
1965	0.08	2	0.09	2	0.09	1	0.10	1	0.15	1	0.36	3	0.46	3	0.58	3	0.86	1
1966	0.07	1	0.08	1	0.10	2	0.11	2	0.15	2	0.21	1	0.26	1	0.41	1	1.10	2
1967	0.21	5	0.22	6	0.27	7	0.29	7	0.33	5	0.60	7	1.60	12	2.20	12	4.90	11
1968	0.21	6	0.21	5	0.23	5	0.26	5	0.35	6	0.58	6	1.10	6	1.60	7	3.10	7
1969	0.41	14	0.42	13	0.43	11	0.53	12	0.74	13	1.30	13	1.70	13	2.10	10	6.80	14
1970	0.40	13	0.43	14	0.44	12	0.54	14	1.10	16	1.50	14	1.80	14	2.00	8	3.80	9
1971	0.25	7	0.26	7	0.26	6	0.28	6	0.35	7	0.45	5	0.65	5	0.84	5	2.00	5
1972	0.39	12	0.39	11	0.40	10	0.42	10	0.57	9	1.10	11	1.40	8	1.30	6	1.90	4
1973	0.51	16	0.51	16	0.53	15	0.65	16	0.80	14	0.97	9	1.40	9	2.40	13	7.10	15
1974	0.36	11	0.39	12	0.44	13	0.53	13	0.62	10	0.82	8	1.60	10	2.10	11	6.50	12
1975	0.31	9	0.31	8	0.35	9	0.41	9	0.48	8	1.10	10	1.60	11	2.00	9	3.70	8
1976	0.34	10	0.38	10	0.46	14	0.51	11	1.00	15	1.50	15	2.70	15	3.80	16	9.40	16
1977	0.45	15	0.50	15	0.55	16	0.62	15	0.73	12	1.50	16	2.70	16	2.50	15	4.10	10
1978	0.28	8	0.31	9	0.33	8	0.36	8	0.66	11	1.19	12	1.30	7	2.40	14	6.60	13
1979	0.14	3	0.15	3	0.17	3	0.25	4	0.32	4	0.42	4	0.47	4	0.69	4	1.30	3

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STATION NUMBER' 01085800

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
WEST BRANCH WARNER RIVER NEAR BRADFORD, NH

NUMBER OF DAYS IN CLASS

CLASS / YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1963				17	17	24	14	15	4	4	4	7	7	13	61	33	25	23
1964		1	2	20	16	25	12	19	11	9	20	9	12	5	6	45	19	29
1965		3		36	32	31	27	13	12	6	18	34	14	13	14	27	22	15
1966					17	11	13	15	8	6	19	22	28	40	26	23	21	20
1967					14	8	8	10	3	5	6	7	13	13	22	64	40	31
1968						1	11	17	22	8	17	10	42	43	25	21	15	33
1969							5	14	21	18	21	9	17	18	14	23	59	33
1970					16	20	16	14	8	10	31	17	6	7	20	38	22	31
1971						5	21	28	22	11	15	29	25	22	36	27	26	22
1972								24	17	10	11	16	24	20	19	29	30	31
1973						2	7	13	14	6	17	18	14	6	14	15	16	32
1974						15	7	10	17	28	18	11	16	22	24	18	18	17
1975						2	4	10	19	13	15	15	27	10	28	36	35	30
1976							1	33	20	12	16	6	9	10	15	17	21	19
1977					1	11	8	9	15	6	18	51	43	41	22	13	19	26
1978				9	15	22	16	16	6	6	5	4	3	5	12	19	27	30
1979						3	3	25	27	38	56	34	24	15	17	15	10	8

CLASS / YEAR	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1963	12	15	11	13	9	16	13	4	2	2							
1964	18	22	15	16	8	8	9	7	1	2							
1965	10	8	7	7	5	5	3	2		1							
1966	9	23	21	18	14	7	3		1								
1967	15	20	21	19	9	9	15	6	4	1	2						
1968	20	16	16	12	9	5	8	5	6	2	2						
1969	20	24	12	9	13	7	4	4	3	6	3	5	3				
1970	24	16	13	7	7	10	13	4	8	4	2	1					
1971	7	13	9	6	5	11	6	9	3	5	1		1				
1972	24	16	22	18	9	12	9	9	7	6	3						
1973	27	26	34	25	15	23	14	11	5	6	1		2	1	1		
1974	25	19	26	24	13	11	11	5	5	2		2	1				
1975	24	24	23	11	14	5	7	2	5	1	3	1	1				
1976	30	35	33	21	7	12	13	14	9	7	1	3	2				
1977	18	12	11	11	6	8	1	5	2	3	1	3		1			
1978	32	26	24	26	13	14	12	6	6	7	1	1	2				
1979	9	5	10	9	8	16	11	11	2	3	4	1		1			

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	6209	100.0	12	1.9	324	4307	69.4	24	39.0	152	440	7.0
1	0.1	4	6209	100.0	13	2.4	303	3983	64.1	25	50.0	104	288	4.6
2	0.1	2	6205	99.9	14	3.1	375	3680	59.3	26	65.0	69	184	2.9
3	0.1	82	6203	99.9	15	4.0	463	3305	53.2	27	83.0	58	115	1.8
4	0.2	128	6121	98.6	16	5.2	425	2842	45.8	28	110.0	24	57	.9
5	0.3	180	5993	96.5	17	6.6	430	2417	38.9	29	140.0	17	33	.5
6	0.4	173	5813	93.6	18	8.5	324	1987	32.0	30	180.0	12	16	.2
7	0.5	285	5640	90.8	19	11.0	320	1663	26.8	31	230.0	3	4	
8	0.7	246	5355	86.2	20	14.0	308	1343	21.6	32	300.0	1	1	
9	0.9	196	5109	82.3	21	18.0	252	1035	16.7	33				
10	1.1	307	4913	79.1	22	24.0	164	783	12.6	34				
11	1.5	299	4606	74.2	23	30.0	179	619	10.0					

VALUE EXCEEDED "P" PERCENT OF TIME

V95 = 0.4
V90 = 0.5
V75 = 1.4
V70 = 1.8
V50 = 4.5
V25 = 12.0
V10 = 30.0

STATION NUMBER 01086000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
WARNER RIVER AT DAVISVILLE, NH

YEAR	1		3		7		14		30		60		90		120		183	
1941	20.00	35	21.00	35	27.00	36	29.00	36	32.00	34	43.00	33	44.00	28	63.00	29	96.00	23
1942	7.20	11	9.10	16	11.00	18	12.00	16	14.00	16	20.00	16	19.00	8	24.00	10	30.00	5
1943	10.00	20	13.00	27	15.00	26	17.00	26	18.00	24	23.00	21	29.00	19	34.00	18	70.00	21
1944	17.00	34	18.00	34	21.00	34	22.00	33	31.00	33	46.00	35	59.00	33	67.00	30	117.00	28
1945	14.00	28	17.00	32	19.00	32	20.00	31	22.00	29	42.00	32	71.00	36	78.00	34	109.00	26
1946	28.00	37	29.00	37	31.00	37	38.00	37	42.00	37	49.00	36	55.00	30	78.00	35	163.00	37
1947	15.00	32	17.00	33	20.00	33	24.00	34	33.00	35	41.00	31	42.00	27	58.00	28	64.00	18
1948	9.00	17	9.30	17	10.00	16	12.00	17	12.00	14	16.00	11	20.00	12	31.00	16	49.00	14
1949	6.20	8	6.40	8	6.90	7	7.80	8	8.00	6	12.00	6	16.00	6	24.00	11	47.00	12
1950	4.40	4	4.50	4	5.00	4	6.00	4	6.30	3	8.90	4	13.00	4	15.00	4	25.00	3
1951	5.60	5	5.80	5	6.00	5	6.70	5	7.50	5	12.00	5	13.00	5	17.00	5	43.00	9
1952	45.00	38	53.00	38	57.00	38	66.00	38	89.00	38	111.00	38	111.00	38	115.00	36	160.00	36
1953	11.00	21	12.00	24	15.00	27	16.00	24	17.00	21	19.00	15	22.00	15	23.00	9	47.00	10
1954	8.40	16	8.80	15	9.90	15	11.00	15	12.00	15	14.00	8	19.00	9	19.00	6	38.00	6
1955	16.00	33	16.00	30	17.00	30	19.00	29	26.00	30	45.00	34	80.00	37	126.00	38	192.00	38
1956	11.00	22	11.00	19	12.00	19	14.00	19	17.00	22	61.00	37	66.00	34	75.00	31	135.00	31
1957	11.00	23	11.00	20	12.00	20	14.00	20	16.00	19	26.00	24	37.00	24	36.00	20	59.00	15
1958	8.00	14	8.00	13	8.20	13	9.50	13	11.00	9	17.00	12	19.00	10	25.00	12	47.00	11
1959	10.00	18	12.00	21	13.00	22	15.00	23	20.00	25	21.00	17	29.00	20	35.00	19	62.00	17
1960	5.90	7	5.90	6	7.00	8	7.60	7	9.20	7	15.00	9	20.00	11	27.00	13	65.00	19
1961	14.00	29	16.00	31	19.00	31	22.00	32	27.00	31	35.00	29	71.00	35	119.00	37	156.00	35
1962	11.00	24	12.00	22	12.00	21	14.00	21	21.00	26	21.00	18	23.00	16	28.00	14	39.00	7
1963	6.30	9	6.50	9	6.60	6	7.20	6	11.00	10	24.00	22	24.00	17	32.00	17	120.00	29
1964	3.60	3	3.70	3	4.00	3	4.00	3	6.70	4	7.50	2	8.10	2	8.80	1	48.00	13
1965	2.90	2	3.00	2	3.40	2	3.90	2	6.10	2	7.80	3	11.00	3	11.00	3	17.00	1
1966	2.80	1	2.90	1	3.30	1	3.50	1	3.70	1	4.70	1	6.00	1	10.00	2	18.00	2
1967	6.40	10	6.90	10	7.70	10	9.10	12	11.00	11	19.00	13	34.00	22	44.00	24	98.00	24
1968	7.40	12	7.60	11	8.10	11	8.30	9	11.00	12	16.00	10	21.00	13	28.00	15	60.00	16
1969	13.00	26	13.00	25	14.00	23	17.00	25	21.00	27	29.00	26	37.00	25	48.00	26	150.00	34
1970	22.00	36	24.00	36	25.00	35	29.00	35	35.00	36	41.00	30	57.00	31	75.00	32	106.00	25
1971	5.70	6	6.30	7	7.40	9	8.40	10	9.30	8	13.00	7	17.00	7	21.00	7	41.00	8
1972	8.30	15	8.50	14	9.10	14	11.00	14	15.00	17	19.00	14	21.00	14	22.00	8	29.00	4
1973	13.00	27	13.00	26	14.00	24	15.00	22	16.00	18	22.00	19	29.00	18	55.00	27	124.00	30
1974	15.00	30	15.00	28	16.00	28	18.00	27	21.00	28	26.00	25	37.00	26	45.00	25	113.00	27
1975	7.50	13	7.60	12	8.10	12	8.40	11	12.00	13	23.00	20	34.00	23	38.00	21	76.00	22
1976	15.00	31	16.00	29	17.00	29	19.00	30	28.00	32	34.00	28	59.00	32	78.00	33	140.00	32
1977	12.00	25	12.00	23	15.00	25	18.00	28	18.00	23	30.00	27	45.00	29	42.00	22	68.00	20
1978	10.00	19	10.00	18	11.00	17	13.00	18	17.00	20	24.00	23	31.00	21	43.00	23	140.00	33

STATION NUMBER 01086000

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
WARNER RIVER AT DAVISVILLE, NH

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	14245	100.0	12	31.0	678	11511	80.8	24	430	659	2357	16.5
1	2.70	11	14245	100.0	13	39.0	648	10833	76.0	25	540	509	1698	11.9
2	3.50	37	14234	99.9	14	48.0	781	10185	71.5	26	670	412	1189	8.3
3	4.30	47	14197	99.7	15	60.0	747	9404	66.0	27	840	246	777	5.4
4	5.40	81	14150	99.3	16	75.0	716	8657	60.8	28	1000	242	531	3.7
5	6.70	178	14069	98.8	17	94.0	835	7941	55.7	29	1300	137	289	2.0
6	8.40	172	13891	97.5	18	120.0	952	7106	49.9	30	1600	84	152	1.0
7	10.00	223	13719	96.3	19	150.0	744	6154	43.2	31	2000	42	68	.4
8	13.00	314	13496	94.7	20	180.0	769	5410	38.0	32	2500	18	26	.1
9	16.00	510	13182	92.5	21	220.0	866	4641	32.6	33	3100	7	8	
10	20.00	615	12672	89.0	22	280.0	776	3775	26.5	34	3900	1	1	
11	25.00	546	12057	84.6	23	350.0	642	2999	21.1					

VALUE EXCEEDED "P" PERCENT OF TIME

D.A. = 146 mi^2

	Q	Q/mi^2
V95 =	13.00	0.0890
V90 =	19.00	0.130
V75 =	41.00	0.281
V70 =	51.00	0.349
V50 =	120.00	0.822
V25 =	300.00	2.05
V10 =	610.00	4.18

STATION NUMBER 01087000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND

MEAN

BLACKWATER RIVER NEAR WEBSTER, NH

YEAR	1		3		7		14		30		60		90		120		183	
1920	25.00	34	27.00	37	30.00	38	32.00	39	38.00	39	44.00	34	48.00	30	50.00	27	106.00	37
1928	38.00	50	40.00	49	42.00	49	50.00	51	65.00	51	72.00	50	80.00	48	84.00	46	119.00	42
1929	51.00	53	52.00	52	54.00	52	59.00	52	67.00	52	69.00	49	74.00	45	81.00	41	100.00	36
1930	25.00	35	25.00	33	26.00	33	28.00	32	32.00	29	37.00	26	38.00	23	39.00	13	46.00	6
1931	20.00	24	21.00	22	21.00	23	23.00	22	24.00	19	40.00	28	50.00	31	52.00	28	57.00	14
1932	30.00	44	30.00	40	31.00	41	34.00	41	38.00	40	42.00	32	46.00	28	55.00	31	70.00	23
1933	24.00	31	24.00	31	25.00	30	27.00	28	28.00	25	31.00	18	37.00	22	43.00	20	74.00	26
1934	32.00	47	32.00	47	33.00	47	36.00	46	38.00	41	40.00	29	46.00	29	49.00	25	72.00	24
1935	24.00	32	25.00	32	26.00	31	27.00	29	32.00	30	44.00	35	56.00	36	69.00	37	96.00	33
1936	30.00	45	30.00	41	31.00	42	34.00	42	40.00	45	47.00	37	50.00	32	58.00	32	78.00	28
1937	22.00	28	22.00	28	23.00	24	25.00	24	29.00	26	32.00	20	34.00	16	40.00	16	58.00	19
1938	29.00	42	30.00	42	30.00	39	31.00	36	33.00	31	38.00	27	54.00	35	64.00	36	136.00	46
1939	41.00	51	44.00	51	46.00	51	49.00	50	61.00	50	91.00	53	100.00	52	111.00	52	214.00	53
1940	18.00	15	18.00	12	19.00	15	20.00	15	23.00	15	33.00	21	36.00	19	39.00	14	57.00	15
1941	25.00	33	27.00	34	31.00	40	34.00	43	39.00	42	50.00	39	50.00	33	61.00	35	86.00	31
1942	11.00	5	12.00	6	13.00	7	15.00	6	17.00	6	18.00	3	21.00	4	26.00	4	34.00	3
1943	18.00	16	19.00	18	19.00	16	22.00	20	23.00	16	24.00	8	32.00	10	43.00	21	72.00	25
1944	30.00	43	31.00	46	32.00	43	34.00	44	36.00	35	50.00	40	64.00	41	83.00	44	111.00	38
1945	28.00	40	30.00	43	32.00	44	33.00	40	36.00	36	51.00	43	69.00	43	78.00	39	100.00	34
1946	36.00	49	42.00	50	43.00	50	48.00	49	51.00	49	57.00	46	69.00	44	81.00	42	142.00	47
1947	28.00	41	31.00	44	33.00	45	40.00	48	45.00	48	63.00	48	66.00	42	82.00	43	85.00	29
1948	15.00	13	18.00	13	19.00	17	20.00	16	20.00	11	24.00	9	32.00	11	47.00	23	49.00	7
1949	14.00	11	18.00	14	19.00	18	21.00	17	23.00	17	24.00	10	29.00	8	35.00	8	57.00	16
1950	12.00	6	13.00	7	14.00	8	16.00	7	17.00	7	22.00	5	28.00	5	30.00	5	41.00	4
1951	10.00	4	11.00	4	12.00	4	14.00	5	16.00	5	23.00	6	28.00	6	30.00	6	57.00	17
1952	49.00	52	56.00	53	61.00	53	66.00	53	84.00	53	89.00	52	101.00	53	103.00	51	146.00	48
1953	18.00	17	18.00	15	18.00	12	18.00	12	21.00	12	27.00	13	33.00	12	36.00	9	61.00	20
1954	18.00	18	19.00	19	20.00	19	21.00	18	26.00	22	31.00	19	36.00	20	35.00	7	49.00	8
1955	26.00	36	27.00	35	29.00	36	30.00	33	39.00	43	50.00	41	85.00	50	127.00	53	172.00	52
1956	27.00	38	28.00	38	29.00	37	32.00	37	36.00	37	73.00	51	77.00	46	84.00	45	131.00	45
1957	22.00	29	23.00	29	24.00	28	26.00	27	31.00	28	50.00	42	62.00	39	58.00	33	75.00	27
1958	18.00	19	19.00	20	20.00	20	20.00	13	24.00	20	30.00	14	35.00	17	40.00	17	54.00	12
1959	21.00	25	21.00	23	21.00	21	23.00	21	24.00	21	35.00	25	37.00	21	47.00	24	64.00	21
1960	18.00	20	18.00	16	19.00	13	21.00	19	23.00	18	30.00	15	33.00	13	39.00	15	70.00	22
1961	28.00	39	28.00	39	28.00	34	30.00	34	36.00	38	48.00	38	87.00	51	102.00	50	122.00	43
1962	20.00	21	21.00	24	23.00	25	25.00	25	27.00	23	31.00	16	34.00	14	41.00	18	50.00	10
1963	17.00	14	18.00	17	19.00	14	20.00	14	22.00	13	31.00	17	34.00	15	43.00	19	113.00	39
1964	12.00	7	12.00	5	13.00	5	16.00	8	18.00	8	18.00	4	18.00	3	19.00	2	54.00	11
1965	7.60	1	7.90	1	8.40	1	8.40	1	9.00	1	14.00	2	14.00	1	18.00	1	25.00	1

STATION NUMBER 01087000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND

MEAN

BLACKWATER RIVER NEAR WEBSTER, NH

YEAR	1		3		7		14		30		60		90		120		183	
1966	9.00	2	9.20	2	9.80	2	10.00	2	10.00	2	12.00	1	16.00	2	21.00	3	34.00	2
1967	13.00	9	13.00	8	14.00	9	16.00	9	19.00	9	24.00	11	45.00	26	52.00	29	94.00	32
1968	12.00	8	13.00	9	13.00	6	13.00	4	15.00	3	24.00	12	31.00	9	36.00	10	58.00	16
1969	22.00	26	22.00	25	24.00	29	28.00	30	33.00	32	41.00	30	42.00	24	50.00	26	114.00	40
1970	22.00	27	22.00	26	23.00	26	25.00	26	29.00	27	43.00	33	60.00	37	80.00	40	117.00	41
1971	14.00	10	15.00	10	17.00	11	18.00	10	19.00	10	23.00	7	29.00	7	37.00	11	57.00	13
1972	20.00	22	20.00	21	21.00	22	24.00	23	27.00	24	34.00	23	36.00	18	37.00	12	42.00	5
1973	33.00	48	34.00	48	35.00	48	38.00	47	44.00	47	53.00	45	62.00	40	101.00	48	149.00	50
1974	31.00	46	31.00	45	33.00	46	35.00	45	39.00	44	45.00	36	60.00	38	70.00	38	150.00	51
1975	9.60	3	9.80	3	11.00	3	12.00	3	16.00	4	34.00	24	54.00	34	54.00	30	83.00	30
1976	23.00	30	23.00	30	24.00	27	28.00	31	43.00	46	52.00	44	82.00	49	102.00	49	148.00	49
1977	26.00	37	27.00	36	29.00	35	30.00	35	36.00	33	61.00	47	80.00	47	95.00	47	100.00	35
1978	15.00	12	15.00	11	16.00	10	18.00	11	23.00	14	33.00	22	45.00	27	58.00	34	131.00	44
1979	20.00	23	22.00	27	26.00	32	32.00	38	36.00	34	42.00	31	43.00	25	44.00	22	49.00	9

STATION NUMBER 01087000

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
BLACKWATER RIVER NEAR WEBSTER, NH

NUMBER OF DAYS IN CLASS

CLASS / YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1966				3	5	19	16	17	18	20	12	19	41	41	28	22	13	21	14	20	19	11	1	1	2	2									
1967				10	15	6	12	2	4	10	15	29	32	52	22	31	24	21	11	11	12	13	10	9	6	5	3								
1968							6	8	23	34	61	43	25	22	8	16	14	23	19	21	7	12	3	7	4	4	3	3							
1969								4	14	32	26	13	9	41	46	49	21	17	23	9	12	10	8	2	4	4	5	3	13						
1970				2	9	19	29	17	17	17	18	11	7	11	25	33	19	26	10	19	15	13	14	10	10	12	1	1							
1971							15	30	31	19	22	43	50	21	16	27	13	17	10	7	3	8	7	12	4	4	6								
1972						2	7	2	10	43	27	11	14	25	43	47	22	22	7	12	13	17	9	10	6	8	6	3							
1973									12	13	28	11	21	11	6	43	18	43	21	24	26	26	17	17	9	4	8	6	1						
1974			3	6	10	5	5	6	21	19	5	18	24	28	18	17	23	22	23	25	26	16	20	9	5	5	6								
1975							7	10	12	29	26	18	18	51	29	35	26	20	11	14	19	13	10	5	4	6	1	1							
1976								6	14	10	19	17	15	12	16	40	14	32	32	38	30	27	20	7	7	4	4	2							
1977					6	6	7	5	17	19	22	76	22	36	17	27	13	21	19	6	7	10	4	2	6	3	7	4	3						
1978							1	5	9	21	28	16	7	17	10	22	31	38	36	35	20	14	21	11	8	8	7								
1979						1	1	6	22	50	69	40	32	15	13	14	12	7	5	7	10	22	4	10	9	6	6	3	1						

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	48	19724	100.0	12	71.0	1316	12907	65.4	24	800	311	945	4.7
1	7.50	26	19676	99.8	13	86.0	1733	11591	58.8	25	980	249	634	3.2
2	9.30	29	19650	99.6	14	110.0	1161	9858	50.0	26	1200	191	365	1.9
3	11.00	89	19621	99.5	15	130.0	1427	8697	44.1	27	1500	81	194	.9
4	14.00	140	19532	99.0	16	160.0	1067	7270	36.9	28	1800	75	113	.5
5	17.00	316	19392	98.3	17	190.0	1260	6203	31.4	29	2200	30	38	.1
6	21.00	514	19076	96.7	18	240.0	867	4943	25.1	30	2700	4	8	
7	26.00	595	18562	94.1	19	290.0	868	4076	20.7	31	3300		4	
8	31.00	991	17967	91.1	20	360.0	693	3208	16.3	32	4100	1	4	
9	38.00	1270	16976	86.1	21	440.0	642	2515	12.8	33	5000	2	3	
10	47.00	1420	15706	79.6	22	540.0	529	1873	9.5	34	6100	1	1	
11	58.00	1379	14286	72.4	23	660.0	399	1344	6.8					

VALUE EXCEEDED "P" PERCENT OF TIME

V95 = 24.00 0.186
V90 = 33.00 0.256
V75 = 54.00 0.419
V70 = 63.00 0.458
V50 = 110.00 0.853
V25 = 240.00 1.86
V10 = 520.00 4.03

STATION NUMBER 01089000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
SOUCOOK RIVER NEAR CONCORD, NH

YEAR	1		3		7		14		30		60		90		120		183	
1953	4.80	10	4.90	9	5.10	8	6.20	9	7.80	8	11.00	12	12.00	10	12.00	8	20.00	6
1954	4.40	8	4.50	8	4.60	7	5.00	7	5.50	6	6.60	5	9.70	8	11.00	5	20.00	7
1955	7.20	21	7.30	20	7.90	20	9.10	20	15.00	24	24.00	27	37.00	28	59.00	28	64.00	28
1956	3.30	4	3.40	4	3.60	4	3.90	3	4.90	5	8.20	7	8.90	5	12.00	9	29.00	11
1957	6.30	18	6.50	17	7.30	16	8.30	16	8.70	11	14.00	19	20.00	18	28.00	20	36.00	15
1958	3.80	5	3.80	5	4.00	5	4.10	4	4.60	3	6.20	4	7.90	4	11.00	6	20.00	8
1959	6.60	19	7.00	19	7.60	19	8.70	17	9.30	14	10.00	9	12.00	9	16.00	11	24.00	9
1960	5.10	11	5.80	15	7.40	17	8.00	14	9.10	12	15.00	20	26.00	24	32.00	24	45.00	17
1961	6.20	17	6.50	18	7.40	18	8.00	15	10.00	19	13.00	16	29.00	26	36.00	26	55.00	21
1962	8.30	24	8.70	24	9.40	24	11.00	24	16.00	25	17.00	23	21.00	20	23.00	18	35.00	12
1963	7.90	22	8.00	22	8.30	21	8.70	18	9.80	17	14.00	17	20.00	19	21.00	16	52.00	20
1964	2.30	1	2.50	1	2.60	1	2.90	1	3.50	1	3.70	1	4.20	1	5.30	1	18.00	4
1965	3.20	3	3.20	3	3.40	3	3.50	2	3.90	2	5.10	2	5.70	2	6.30	2	9.10	1
1966	2.80	2	3.10	2	3.30	2	4.30	5	4.90	4	6.10	3	6.50	3	7.60	3	11.00	2
1967	5.60	16	6.00	16	6.80	15	7.90	13	8.50	10	11.00	10	16.00	15	23.00	17	45.00	18
1968	8.20	23	8.50	23	8.80	23	9.80	22	13.00	21	15.00	21	17.00	16	20.00	14	35.00	13
1969	3.80	6	4.20	7	5.90	11	8.90	19	9.50	15	12.00	13	14.00	12	18.00	13	60.00	25
1970	9.80	25	10.00	25	11.00	25	13.00	26	16.00	26	18.00	24	24.00	22	31.00	23	47.00	19
1971	4.80	9	5.00	10	5.40	9	6.40	10	9.70	16	11.00	11	13.00	11	17.00	12	35.00	14
1972	5.10	12	5.50	13	5.90	12	7.20	11	9.90	18	12.00	14	15.00	13	15.00	10	19.00	5
1973	11.00	26	11.00	26	12.00	27	14.00	27	14.00	22	20.00	25	25.00	23	36.00	27	61.00	26
1974	12.00	28	13.00	28	13.00	28	16.00	28	18.00	27	24.00	28	32.00	27	35.00	25	57.00	23
1975	3.80	7	4.00	6	4.50	6	5.00	6	5.70	7	7.10	6	9.10	6	12.00	7	26.00	10
1976	6.90	20	7.60	21	8.30	22	9.20	21	12.00	20	14.00	18	18.00	17	30.00	21	56.00	22
1977	11.00	27	11.00	27	11.00	26	12.00	25	18.00	28	20.00	26	27.00	25	28.00	19	37.00	16
1978	5.40	13	5.40	11	5.60	10	6.00	8	9.10	13	12.00	15	16.00	14	21.00	15	62.00	27
1979	5.40	14	5.60	14	6.10	13	7.20	12	8.40	9	8.90	8	9.10	7	9.30	4	11.00	3
1980	5.40	15	5.50	12	6.60	14	9.90	23	14.00	23	16.00	22	23.00	21	31.00	22	60.00	24

STATION NUMBER 01089000

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
SOUCOOK RIVER NEAR CONCORD, NH

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	10227	100.0	12	23.0	393	7440	72.7	24	280	315	988	9.6
1	2.20	5	10227	100.0	13	28.0	545	7047	68.9	25	350	235	673	6.5
2	2.80	41	10222	100.0	14	35.0	507	6502	63.6	26	430	158	438	4.2
3	3.50	84	10181	99.6	15	43.0	590	5995	58.6	27	520	108	280	2.7
4	4.30	131	10097	98.7	16	53.0	674	5405	52.9	28	650	94	172	1.6
5	5.30	191	9966	97.4	17	65.0	640	4731	46.3	29	800	33	78	.7
6	6.50	232	9775	95.6	18	80.0	685	4091	40.0	30	980	22	45	.4
7	8.00	407	9543	93.3	19	99.0	546	3406	33.3	31	1200	12	23	.2
8	9.90	306	9136	89.3	20	120.0	574	2860	28.0	32	1500	5	11	.1
9	12.00	481	8830	86.3	21	150.0	434	2286	22.4	33	1800	5	6	
10	15.00	505	8349	81.6	22	180.0	535	1852	18.1	34	2300	1	1	
11	19.00	404	7844	76.7	23	230.0	329	1317	12.9					

VALUE EXCEEDED "P" PERCENT OF TIME

V95 =	6.90	.0898
V90 =	9.60	.125
V75 =	21.00	.2734
V70 =	27.00	.3516
V50 =	58.00	.7552
V25 =	140.00	1.8229
V10 =	270.00	3.5156

STATION NUMBER 01090800

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND

MEAN

PISCATAQUOG RIVER BL EVERETT DAM, NR E WEARE, NH

YEAR	1		3		7		14		30		60		90		120		183	
1964	2.40	8	2.70	8	2.90	6	3.30	6	4.40	6	5.60	6	8.00	6	11.00	5	27.00	7
1965	0.50	3	0.50	1	0.50	1	1.30	3	1.60	3	2.40	2	2.50	1	2.80	1	8.70	1
1966	0.50	4	0.57	3	0.61	3	0.74	1	1.40	1	2.30	1	2.60	2	4.80	2	13.00	2
1967	1.50	5	1.70	5	1.90	4	2.10	4	3.10	4	3.90	4	6.10	3	9.40	4	28.00	[illegible]
1968	5.50	14	5.90	14	6.10	14	6.50	12	8.60	11	12.00	10	17.00	13	25.00	14	37.00	1[illegible]
1969	0.39	1	1.60	4	3.80	9	6.90	14	10.00	13	12.00	11	[illegible]	12	22.00	11	[illegible]	1[illegible]
1970	5.40	13	5.40	13	5.60	13	6.20	10	11.00	14	15.00	16	22.00	[illegible]	23.00	12	47.00	1[illegible]
1971	2.20	7	2.20	6	3.70	8	4.10	8	5.80	9	6.80	7	9.30	7	12.00	6	26.00	5
1972	4.90	12	4.90	12	5.30	11	6.30	11	8.20	10	12.00	12	14.00	10	14.00	8	22.00	4
1973	7.00	16	7.10	16	7.50	16	8.30	16	9.60	12	13.00	13	20.00	14	31.00	16	55.00	13
1974	6.30	15	6.30	15	6.70	15	7.60	15	11.00	15	13.00	14	22.00	15	30.00	15	53.00	12
1975	2.80	9	2.90	9	3.20	7	3.60	7	4.90	8	9.10	9	10.00	8	16.00	10	30.00	9
1976	4.30	11	4.40	11	5.50	12	6.80	13	11.00	16	13.00	15	15.00	11	25.00	13	56.00	14
1977	3.60	10	3.70	10	4.20	10	4.30	9	4.60	7	7.10	8	10.00	9	12.00	7	27.00	6
1978	0.50	2	0.50	2	0.51	2	0.86	2	1.50	2	2.60	3	7.60	5	15.00	9	59.00	15
1979	2.00	6	2.20	7	2.40	5	3.00	5	3.60	5	4.90	5	6.40	4	8.80	3	16.00	3

STATION NUMBER 01090800

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
PISCATAQUOG RIVER BL EVERETT DAM, NR E WEARE, NH

NUMBER OF DAYS IN CLASS

CLASS / YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	3
1964			7	3	5	11	15	17	5	21	3	10	4	17	9	10	6	11	16	40	12	24	28	20	12	8	19	12	15	6					
1965			1	9	3	4	7	15	32	14	14	5	7	6	8	68	17	41	16	24	14	19	9	6	12	7	6	1							
1966							2	7	18	11	17	12	12	20	12	41	19	37	30	13	27	9	23	19	23	5	3	2	2	1					
1967												5	10	9	7	14	11	16	21	71	50	36	24	14	18	16	13	6	8	12	4				
1968		1					1		1		3		2	16	13	23	6	12	34	48	56	30	31	19	19	18	6	6	8	3	4	6			
1969												9	6	15	13	21	10	18	25	20	41	47	46	11	8	9	7	10	7	11	6	3	3	16	
1970								4		1	9	17	13	22	18	17	15	10	8	11	33	33	26	19	7	38	12	18	17	12	5				
1971												8	22	18	14	28	20	8	28	57	31	32	20	20	10	9	5	7	16	9	2	1			
1972												3	11	17	14	18	9	11	32	34	42	44	33	16	9	9	20	21	14	1	4	4			
1973													11	10	6	17	8	9	12	17	13	30	49	37	38	28	21	23	20	7	3	1	5		
1974									2	6	8	4	20	10	21	15	4	9	22	25	23	17	31	33	37	18	37	9	5	9					
1975											4	8	20	16	22	23	9	10	17	18	32	48	47	25	15	12	20	6	4	6	2	1			
1976										2	16	11	13	16	15	18	6	8	13	9	11	23	14	27	49	28	49	19	5	9	4	1			
1977			7		2	2	11	8	11	7	7	9	8	54	18	22	20	21	23	12	9	14	21	20	18	9	10	2	6	4	2	1	4	3	
1978									3	7	18	7	24	11	18	5	2	4	4	10	33	26	42	29	34	27	16	15	16	13	1				
1979								1	3	2		4	4	5	10	30	37	38	35	28	35	23	24	10	13	8	10	7	13	10	4	5	4	2	

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	5844	100.0	12	6.1	187	5344	91.4	24	120	322	1362	23.3
1	0.30	1	5844	100.0	13	7.8	262	5157	88.2	25	160	249	1040	17.7
2	0.50	15	5843	100.0	14	10.0	218	4895	83.8	26	200	254	791	13.5
3	0.60	12	5828	99.7	15	13.0	370	4677	80.0	27	260	164	537	9.1
4	0.80	10	5816	99.5	16	17.0	199	4307	73.7	28	330	156	373	6.3
5	1.10	17	5806	99.3	17	21.0	263	4108	70.3	29	430	113	217	3.7
6	1.40	36	5789	99.1	18	27.0	336	3845	65.8	30	550	41	104	1.7
7	1.70	52	5753	98.4	19	35.0	437	3509	60.0	31	710	23	63	1.0
8	2.20	75	5701	97.6	20	45.0	462	3072	52.6	32	910	16	40	.6
9	2.90	71	5626	96.3	21	58.0	455	2610	44.7	33	1200	21	24	.4
10	3.70	99	5555	95.1	22	75.0	468	2155	36.9	34	1500	3	3	
11	4.80	112	5456	93.4	23	96.0	325	1687	28.9					

VALUF EXCEEDED "P" PERCENT OF TIME

V95 = 3.70
V90 = 6.90
V75 = 16.00
V70 = 21.00
V50 = 49.00
V25 = 110.00
V10 = 250.00

13-79

STATION NUMBER 01091000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
S BRANCH PISCATAQUOG RIVER NEAR GOFFSTOWN, NH

YEAR	1		3		7		14		30		60		90		120		183	
1942	3.40	3	3.80	3	4.10	5	4.20	3	5.10	5	6.40	4	8.20	5	9.60	4	16.00	3
1943	14.00	33	17.00	35	19.00	34	23.00	35	31.00	34	35.00	31	47.00	33	63.00	34	103.00	32
1944	7.60	18	7.60	17	8.10	17	8.90	17	11.00	17	14.00	15	25.00	21	25.00	18	64.00	22
1945	9.60	26	10.00	27	11.00	25	13.00	27	16.00	24	23.00	25	60.00	34	60.00	33	81.00	27
1946	21.00	36	22.00	36	24.00	36	29.00	37	35.00	35	39.00	32	40.00	31	59.00	32	106.00	35
1947	8.00	20	8.90	20	9.60	21	11.00	21	17.00	25	41.00	34	36.00	29	47.00	29	46.00	17
1948	6.60	16	7.00	15	7.30	15	7.60	13	7.90	9	11.00	12	14.00	10	23.00	14	53.00	19
1949	3.70	5	3.80	4	4.00	3	4.20	4	4.40	3	6.60	5	9.40	7	15.00	9	35.00	14
1950	5.90	12	6.90	14	7.10	14	7.20	11	8.80	11	9.50	9	10.00	8	12.00	7	18.00	4
1951	4.50	8	4.70	7	4.90	7	5.40	8	6.10	8	8.80	8	21.00	16	20.00	10	34.00	11
1952	23.00	37	23.00	37	27.00	37	28.00	36	36.00	36	61.00	37	73.00	36	79.00	35	103.00	33
1953	7.20	17	7.70	18	8.50	18	9.70	19	11.00	18	11.00	10	13.00	9	15.00	8	32.00	8
1954	6.50	15	6.50	11	6.90	11	7.80	14	9.50	14	11.00	11	22.00	18	21.00	12	33.00	9
1955	14.00	34	15.00	33	16.00	32	19.00	33	47.00	37	58.00	36	93.00	37	153.00	37	167.00	37
1956	4.30	7	4.80	8	5.30	9	6.10	9	9.20	13	28.00	28	27.00	24	33.00	21	88.00	30
1957	7.90	19	8.20	19	8.70	19	9.50	18	11.00	19	14.00	16	18.00	11	20.00	11	33.00	10
1958	4.00	6	4.00	6	4.10	4	4.30	5	4.40	4	4.70	1	7.00	2	9.00	3	26.00	5
1959	9.40	24	9.80	23	11.00	26	12.00	22	15.00	22	24.00	26	31.00	27	39.00	27	53.00	20
1960	8.60	21	9.00	21	9.70	22	11.00	20	14.00	20	19.00	21	22.00	19	34.00	23	59.00	21
1961	14.00	35	15.00	34	19.00	35	20.00	34	27.00	31	39.00	33	60.00	35	90.00	36	106.00	34
1962	10.00	28	10.00	28	11.00	23	16.00	31	27.00	32	29.00	29	31.00	28	35.00	24	48.00	18
1963	6.30	14	6.80	13	7.00	12	7.20	12	9.60	15	16.00	18	18.00	12	24.00	17	74.00	24
1964	4.70	9	4.80	9	4.90	8	5.30	7	5.90	7	7.30	7	8.30	6	10.00	5	31.00	7
1965	3.40	4	3.90	5	4.30	6	4.60	6	5.30	6	7.00	6	7.60	4	7.80	2	13.00	1
1966	3.20	2	3.40	2	3.70	2	4.00	2	4.30	1	4.90	2	5.70	1	7.60	1	13.00	2
1967	2.40	1	2.60	1	2.90	1	3.20	1	4.30	2	5.20	3	7.20	3	11.00	6	35.00	12
1968	13.00	31	14.00	32	16.00	33	16.00	32	23.00	29	31.00	30	37.00	30	46.00	28	75.00	25
1969	13.00	32	13.00	30	14.00	30	15.00	30	20.00	28	22.00	24	25.00	22	36.00	25	112.00	36
1970	9.30	23	9.80	24	12.00	27	14.00	28	28.00	33	42.00	35	46.00	32	50.00	30	71.00	23
1971	9.00	22	9.10	22	9.50	20	12.00	23	15.00	23	17.00	19	18.00	13	23.00	15	43.00	15
1972	9.50	25	9.90	25	11.00	24	13.00	24	18.00	26	20.00	22	25.00	23	28.00	19	35.00	13
1973	9.70	27	10.00	26	12.00	28	13.00	25	14.00	21	17.00	20	24.00	20	33.00	22	86.00	29
1974	12.00	30	13.00	31	14.00	31	15.00	29	18.00	27	20.00	23	28.00	25	37.00	26	75.00	26
1975	5.80	11	5.90	10	6.60	10	7.00	10	8.40	10	14.00	17	21.00	17	23.00	16	46.00	16
1976	11.00	29	11.00	29	12.00	29	13.00	26	25.00	30	28.00	27	30.00	26	52.00	31	102.00	31
1977	6.00	13	7.30	16	7.70	16	7.80	15	9.70	16	13.00	14	20.00	15	22.00	13	27.00	6
1978	5.00	10	6.60	12	7.00	13	7.80	16	9.10	12	12.00	13	19.00	14	30.00	20	63.00	28

STATION NUMBER 01091000

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
S BRANCH PISCATAQUOG RIVER NEAR GOFFSTOWN, NH

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	13879	100.0	12	27.0	524	10571	76.2	24	370	536	1624	11.7
1	2.30	4	13879	100.0	13	33.0	728	10047	72.4	25	470	330	1088	7.8
2	3.00	20	13875	100.0	14	42.0	558	9319	67.1	26	580	283	758	5.4
3	3.70	117	13855	99.8	15	52.0	651	8761	63.1	27	720	203	475	3.4
4	4.60	152	13738	99.0	16	65.0	819	8110	58.4	28	900	119	272	1.9
5	5.80	188	13586	97.9	17	81.0	826	7291	52.5	29	1100	78	153	1.1
6	7.20	319	13398	96.5	18	100.0	1215	6465	46.6	30	1400	37	75	.5
7	9.00	258	13079	94.2	19	130.0	933	5250	37.8	31	1700	25	38	.2
8	11.00	582	12821	92.4	20	160.0	694	4317	31.1	32	2200	10	13	
9	14.00	466	12239	88.2	21	190.0	799	3623	26.1	33	2700	2	3	
10	17.00	593	11773	84.8	22	240.0	643	2824	20.3	34	3400	1	1	
11	22.00	609	11180	80.6	23	300.0	557	2181	15.7					

VALUE EXCEEDED "P" PERCENT OF TIME

V95 =	8.40	0.081
V90 =	13.00	0.125
V75 =	29.00	0.28
V70 =	37.00	0.356
V50 =	89.00	0.856
V25 =	200.00	1.92
V10 =	410.00	3.94

STATION NUMBER 01091500

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND

MEAN

PISCATAQUOG RIVER NEAR GOFFSTOWN, NH

YEAR	1		3		7		14		30		60		90		120		183	
1941	12.00	28	12.00	23	18.00	25	27.00	29	28.00	24	40.00	23	42.00	21	75.00	26	114.00	22
1942	12.00	29	12.00	24	12.00	13	12.00	11	13.00	8	14.00	5	16.00	5	18.00	3	37.00	4
1943	9.40	21	14.00	28	32.00	36	46.00	36	61.00	35	71.00	34	92.00	34	126.00	35	205.00	37
1944	8.10	16	11.00	20	17.00	21	18.00	19	23.00	20	29.00	17	49.00	23	49.00	16	120.00	23
1945	15.00	32	16.00	30	29.00	34	32.00	32	35.00	29	50.00	29	114.00	36	115.00	34	164.00	29
1946	9.80	24	14.00	29	44.00	37	51.00	37	62.00	36	68.00	33	73.00	31	107.00	33	198.00	33
1947	10.00	25	11.00	21	18.00	22	24.00	24	28.00	25	72.00	35	70.00	30	87.00	29	88.00	16
1948	7.00	8	10.00	16	21.00	27	23.00	22	26.00	21	33.00	20	36.00	15	51.00	19	102.00	21
1949	8.50	18	9.50	13	10.00	6	11.00	6	11.00	4	14.00	6	19.00	6	30.00	9	69.00	12
1950	7.50	12	9.70	14	11.00	8	14.00	12	16.00	12	18.00	9	21.00	8	22.00	5	34.00	3
1951	5.80	5	6.80	5	11.00	9	11.00	7	12.00	6	15.00	7	36.00	16	36.00	10	63.00	8
1952	8.70	19	22.00	35	45.00	38	58.00	38	69.00	37	123.00	38	155.00	37	164.00	36	204.00	36
1953	9.40	22	10.00	17	11.00	10	11.00	8	14.00	9	19.00	10	24.00	9	27.00	8	60.00	6
1954	7.70	14	11.00	18	14.00	16	15.00	13	16.00	10	21.00	11	39.00	18	41.00	11	72.00	13
1955	7.00	9	8.00	6	30.00	35	34.00	33	76.00	38	101.00	37	167.00	38	268.00	38	331.00	38
1956	4.80	4	5.00	2	7.70	3	10.00	4	18.00	15	44.00	27	40.00	20	50.00	18	149.00	26
1957	7.20	11	8.50	7	13.00	14	16.00	14	17.00	13	22.00	12	35.00	13	41.00	12	61.00	7
1958	4.60	3	4.80	1	7.40	2	7.70	1	8.10	1	10.00	2	14.00	4	18.00	4	45.00	5
1959	6.20	6	8.50	8	18.00	23	19.00	20	27.00	22	41.00	24	52.00	24	65.00	24	98.00	20
1960	7.60	13	8.70	9	9.60	4	17.00	17	20.00	18	31.00	18	36.00	14	54.00	20	97.00	19
1961	10.00	26	19.00	31	26.00	32	34.00	34	48.00	33	66.00	32	102.00	35	169.00	37	203.00	35
1962	9.00	20	11.00	19	18.00	24	26.00	27	45.00	32	51.00	30	56.00	27	62.00	23	90.00	17
1963	2.20	1	5.80	4	12.00	11	12.00	9	16.00	11	26.00	14	29.00	10	41.00	13	142.00	25
1964	8.30	17	8.80	10	12.00	12	12.00	10	13.00	7	15.00	8	19.00	7	24.00	6	64.00	9
1965	7.00	10	8.90	11	10.00	7	10.00	5	11.00	5	12.00	3	12.00	1	16.00	1	24.00	1
1966	8.00	15	9.00	12	9.60	5	9.90	3	10.00	3	12.00	4	13.00	2	16.00	2	30.00	2
1967	4.60	2	5.10	3	6.10	1	7.80	2	8.80	2	9.40	1	14.00	3	24.00	7	75.00	14
1968	23.00	36	23.00	36	24.00	30	27.00	28	41.00	30	61.00	31	77.00	32	91.00	30	138.00	24
1969	13.00	30	13.00	25	14.00	17	25.00	25	34.00	26	41.00	25	53.00	25	68.00	25	201.00	34
1970	16.00	33	19.00	32	22.00	28	35.00	35	59.00	34	80.00	36	91.00	33	95.00	31	163.00	28
1971	6.50	7	13.00	26	14.00	18	17.00	18	23.00	19	26.00	15	31.00	11	41.00	14	78.00	15
1972	9.70	23	9.70	15	13.00	15	23.00	23	34.00	27	36.00	22	44.00	22	49.00	17	67.00	11
1973	21.00	35	21.00	34	23.00	29	25.00	26	27.00	23	34.00	21	60.00	28	86.00	28	172.00	31
1974	24.00	37	24.00	37	26.00	31	31.00	31	35.00	28	42.00	26	65.00	29	80.00	27	153.00	27
1975	13.00	31	13.00	27	15.00	19	16.00	15	18.00	14	32.00	19	39.00	19	55.00	21	92.00	18
1976	28.00	38	28.00	38	28.00	33	30.00	30	43.00	31	48.00	28	54.00	26	95.00	32	191.00	32
1977	12.00	27	12.00	22	16.00	20	17.00	16	19.00	16	29.00	16	38.00	17	43.00	15	65.00	10
1978	19.00	34	19.00	33	19.00	26	19.00	21	19.00	17	22.00	13	35.00	12	57.00	22	170.00	30

STATION NUMBER. 01091500

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
PISCATAQUOG RIVER NEAR GUFFSTOWN, NH

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	14245	100.0	12	30.0	486	11883	83.4	24	530	589	2530	17.7
1	2.10	1	14245	100.0	13	38.0	635	11397	80.0	25	670	792	1941	13.6
2	2.80	0	14244	100.0	14	49.0	578	10762	75.5	26	850	406	1149	8.0
3	3.50	0	14244	100.0	15	62.0	650	10184	71.5	27	1100	334	743	5.2
4	4.50	28	14244	100.0	16	78.0	749	9534	66.9	28	1400	175	409	2.8
5	5.70	30	14216	99.8	17	99.0	836	8785	61.7	29	1700	139	234	1.6
6	7.20	223	14186	99.6	18	130.0	735	7949	55.8	30	2200	58	95	.6
7	9.20	595	13963	98.0	19	160.0	885	7214	50.6	31	2800	21	37	.2
8	12.00	502	13368	93.8	20	200.0	1136	6329	44.4	32	3500	11	16	.1
9	15.00	237	12866	90.3	21	260.0	957	5193	36.5	33	4500	3	5	
10	19.00	350	12629	88.7	22	330.0	923	4236	29.7	34	5700	2	2	
11	24.00	396	12279	86.2	23	420.0	783	3313	23.3					

VALUE EXCEEDED "P" PERCENT OF TIME

V95 = 11.00
V90 = 16.00
V75 = 51.00
V70 = 67.00
V50 = 160.00
V25 = 400.00
V10 = 790.00

STATION NUMBER 01092000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
MERRIMACK R NR GOFFS FALLS, BELOW MANCHESTER, NH

YEAR	1	3	7	14	30	60	90	120	183
1938	450.00 22	811.00 21	1140.00 29	1250.00 30	1420.00 34	1600.00 27	1800.00 25	2270.00 29	3710.00 36
1939	580.00 28	1390.00 40	1730.00 41	1950.00 41	2300.00 41	3230.00 42	3480.00 42	3670.00 41	5870.00 42
1940	426.00 19	673.00 14	963.00 21	1190.00 28	1350.00 30	1430.00 23	1590.00 22	1660.00 20	1860.00 13
1941	617.00 29	1070.00 36	1320.00 37	1410.00 36	1560.00 35	2060.00 38	2040.00 32	2290.00 30	2930.00 28
1942	686.00 32	851.00 24	857.00 12	877.00 11	1040.00 12	1140.00 11	1240.00 10	1430.00 13	1600.00 9
1943	392.00 15	833.00 22	1170.00 31	1190.00 29	1330.00 29	1490.00 24	1610.00 23	1710.00 21	2450.00 21
1944	529.00 27	1030.00 32	1250.00 34	1470.00 37	1570.00 36	1950.00 35	2080.00 33	2570.00 35	3100.00 30
1945	691.00 34	1090.00 37	1240.00 33	1270.00 31	1300.00 27	1620.00 29	2200.00 36	2290.00 31	2710.00 24
1946	910.00 39	1570.00 41	1700.00 40	1780.00 40	1920.00 40	2220.00 39	2660.00 39	2900.00 39	4050.00 39
1947	833.00 37	1310.00 39	1620.00 39	1690.00 39	1850.00 39	2430.00 40	2350.00 38	2740.00 38	2830.00 27
1948	348.00 11	609.00 10	797.00 8	826.00 6	855.00 4	1150.00 12	1410.00 18	1540.00 19	1580.00 7
1949	217.00 5	434.00 3	925.00 18	942.00 14	943.00 10	998.00 7	1190.00 8	1380.00 11	1870.00 14
1950	154.00 3	469.00 4	871.00 14	1030.00 19	1060.00 15	1160.00 13	1250.00 11	1330.00 8	1580.00 8
1951	180.00 4	593.00 9	817.00 9	862.00 9	898.00 7	1050.00 8	1110.00 6	1250.00 7	1890.00 17
1952	1570.00 42	1910.00 42	2180.00 42	2400.00 42	2670.00 42	3090.00 41	3250.00 41	3200.00 40	3900.00 37
1953	363.00 12	688.00 16	913.00 16	961.00 15	1040.00 13	1300.00 17	1290.00 13	1350.00 9	1730.00 10
1954	312.00 10	635.00 11	720.00 5	832.00 7	871.00 6	934.00 5	1130.00 7	1130.00 6	1520.00 5
1955	630.00 31	1040.00 33	1280.00 35	1370.00 34	1710.00 38	2010.00 37	3030.00 40	4170.00 42	5050.00 41
1956	397.00 16	836.00 23	962.00 20	1100.00 24	1240.00 24	2000.00 36	1950.00 28	2110.00 27	3160.00 31
1957	492.00 25	879.00 27	1020.00 25	1080.00 20	1190.00 22	1540.00 25	1970.00 29	1980.00 25	2590.00 19
1958	147.00 2	356.00 2	594.00 2	668.00 2	697.00 2	768.00 2	866.00 2	1060.00 3	1460.00 4
1959	259.00 8	645.00 13	918.00 17	970.00 16	1120.00 17	1270.00 16	1420.00 19	1510.00 18	1880.00 15
1960	248.00 7	588.00 8	1010.00 23	1090.00 21	1180.00 21	1390.00 21	1510.00 21	1720.00 22	2480.00 23
1961	503.00 26	968.00 30	1070.00 28	1160.00 27	1270.00 26	1620.00 30	2200.00 37	2650.00 37	3390.00 32
1962	412.00 17	644.00 12	876.00 15	1010.00 18	1060.00 14	1260.00 15	1290.00 14	1460.00 15	1750.00 12
1963	372.00 13	860.00 25	949.00 19	1120.00 26	1160.00 19	1340.00 19	1340.00 15	1460.00 16	3090.00 29
1964	291.00 9	509.00 5	695.00 4	773.00 4	868.00 5	901.00 4	974.00 4	1000.00 2	1740.00 11
1965	98.00 1	110.00 1	394.00 1	464.00 1	570.00 1	746.00 1	826.00 1	865.00 1	1020.00 1
1966	244.00 6	527.00 6	665.00 3	708.00 3	752.00 3	853.00 3	934.00 3	1120.00 5	1400.00 3
1967	375.00 14	681.00 15	827.00 10	854.00 8	899.00 8	1100.00 9	1250.00 12	1380.00 10	2450.00 22
1968	974.00 41	1050.00 34	1060.00 27	1090.00 22	1250.00 25	1560.00 26	1840.00 27	2000.00 26	2420.00 20
1969	960.00 40	973.00 31	1040.00 26	1090.00 23	1200.00 23	1310.00 18	1370.00 16	1500.00 17	2750.00 26
1970	463.00 23	769.00 19	1170.00 32	1360.00 33	1380.00 31	1660.00 32	2150.00 35	2590.00 36	3680.00 34
1971	423.00 18	798.00 20	850.00 11	914.00 12	1000.00 11	1120.00 10	1240.00 9	1390.00 12	1850.00 15
1972	483.00 24	697.00 17	743.00 6	868.00 10	1100.00 16	1360.00 20	1400.00 17	1440.00 14	1560.00 6
1973	440.00 20	910.00 29	1160.00 30	1290.00 32	1330.00 28	1610.00 28	1830.00 26	2410.00 33	3460.00 35
1974	621.00 30	1050.00 35	1290.00 36	1380.00 35	1410.00 33	1640.00 31	2020.00 30	2350.00 32	4400.00 40
1975	695.00 35	754.00 18	862.00 13	916.00 13	1160.00 20	1410.00 22	1670.00 24	1760.00 24	2340.00 18
1976	688.00 33	868.00 26	1020.00 24	1110.00 25	1390.00 32	1690.00 33	2040.00 31	2530.00 34	3900.00 38

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STATION NUMBER 01092000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND

MEAN

MERRIMACK R NR GOFFS FALLS, BELOW MANCHESTER, NH

YEAR	1		3		7		14		30		60		90		120		183	
1977	906.00	38	1140.00	38	1340.00	38	1500.00	38	1700.00	37	1810.00	34	2100.00	34	2260.00	28	2720.00	25
1978	736.00	36	897.00	28	969.00	22	981.00	17	1130.00	18	1230.00	14	1480.00	20	1740.00	23	3700.00	35
1979	450.00	21	557.00	7	743.00	7	810.00	5	907.00	9	963.00	6	1050.00	5	1110.00	4	1210.00	2

STATION NUMBER 01092000

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
MERRIMACK R NR GOFFS FALLS, BELOW MANCHESTER, NH

NUMBER OF DAYS IN CLASS

CLASS / YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	3
1978									1	4	4	16	31	22	11	3	7	8	14	27	51	34	43	17	37	12	18	5							
1979											3	8	32	53	64	28	18	20	19	21	11	10	3	15	17	9	19	8	5	2					

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	15340	100.0	12	950.0	767	14576	95.0	24	11000	719	1882	12.2
1	98.00	2	15340	100.0	13	1200.0	822	13809	90.0	25	14000	437	1163	7.5
2	120.00	2	15338	100.0	14	1400.0	1511	12987	84.7	26	17000	353	726	4.7
3	150.00	1	15336	100.0	15	1800.0	1272	11476	74.8	27	21000	213	373	2.4
4	180.00	3	15335	100.0	16	2200.0	1258	10204	66.5	28	26000	104	160	1.0
5	220.00	15	15332	99.9	17	2700.0	1298	8946	58.3	29	32000	41	56	.3
6	280.00	40	15317	99.9	18	3300.0	1256	7648	49.9	30	39000	11	15	
7	340.00	57	15277	99.6	19	4000.0	1256	6392	41.7	31	48000	2	4	
8	420.00	59	15220	99.2	20	5000.0	1023	5136	33.5	32	59000		2	
9	510.00	81	15161	98.8	21	6100.0	879	4113	26.8	33	73000		2	
10	630.00	148	15080	98.3	22	7500.0	775	3234	21.1	34	89000	2	2	
11	770.00	356	14932	97.3	23	9200.0	577	2459	16.0					

VALUE EXCEEDED "P" PERCENT OF TIME

V95 = 950.00
V90 = 1200.00
V75 = 1800.00
V70 = 2000.00
V50 = 3300.00
V25 = 6500.00
V10 = 12000.00

B 86

STATION NUMBER 01093000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
SUCKER BROOK AT AUBURN, NH

YEAR	1	3	7	14	30	60	90	120	183
1939	12.00 32	13.00 32	15.00 32	15.00 32	21.00 32	36.00 32	42.00 32	45.00 32	49.00 32
1940	0.00 1	0.07 5	0.14 5	0.23 6	0.56 8	1.40 6	2.30 5	3.80 6	4.80 1
1941	0.50 12	0.50 10	0.59 10	0.66 10	1.90 14	8.60 23	14.00 23	16.00 24	21.00 22
1942	0.20 9	0.33 9	0.37 9	0.57 9	1.40 10	2.40 10	3.70 8	6.10 9	7.50 4
1943	2.90 27	3.10 27	3.40 26	3.70 24	4.00 20	4.40 15	8.00 15	10.00 14	15.00 10
1944	1.00 18	1.10 18	1.19 17	1.60 16	2.90 19	5.50 18	10.00 19	15.00 21	18.00 16
1945	4.80 28	5.00 28	5.60 28	6.50 28	10.00 30	13.00 28	20.00 30	19.00 25	24.00 27
1946	9.90 31	10.00 31	11.00 31	13.00 31	18.00 31	21.00 31	22.00 31	29.00 30	36.00 30
1947	2.10 24	2.40 24	3.50 27	4.70 27	7.10 25	14.00 30	17.00 27	19.00 26	20.00 19
1948	5.10 29	5.50 29	6.50 29	7.00 29	7.80 28	9.00 26	10.00 20	12.00 17	17.00 13
1949	1.00 19	1.00 17	1.19 18	2.40 21	5.20 22	7.30 20	12.00 21	14.00 18	17.00 14
1950	1.40 22	1.40 21	1.70 21	2.00 20	2.70 18	4.40 16	8.00 16	11.00 15	14.00 9
1951	2.80 26	2.90 26	3.30 25	4.40 26	5.30 23	8.90 25	15.00 26	16.00 22	16.00 11
1952	2.30 25	2.40 25	2.50 23	3.00 22	4.10 21	7.50 21	10.00 17	11.00 16	21.00 23
1953	0.18 6	1.19 19	1.50 20	1.80 17	2.00 15	5.10 17	14.00 24	20.00 27	18.00 15
1954	0.20 7	0.20 6	0.29 7	0.31 7	0.47 6	3.70 13	4.60 9	5.70 7	12.00 7
1955	0.80 16	0.87 15	1.00 15	1.90 18	7.30 26	8.00 22	15.00 25	40.00 31	49.00 31
1956	0.50 13	0.67 12	0.74 12	0.79 12	1.40 11	6.30 19	10.00 18	14.00 19	21.00 24
1957	0.30 10	0.30 8	0.34 8	0.48 8	0.55 7	0.95 5	2.90 6	6.00 8	17.00 12
1958	0.20 8	0.20 7	0.20 6	0.21 5	0.24 5	0.44 3	0.67 3	2.40 3	7.90 5
1959	0.50 11	0.57 11	0.64 11	0.70 11	1.10 9	2.30 9	6.10 14	7.90 11	20.00 20
1960	0.60 14	0.80 13	1.10 16	1.40 15	2.10 16	3.20 12	4.90 10	9.80 13	19.00 17
1961	1.19 20	1.30 20	1.40 19	1.90 19	2.30 17	3.90 14	5.80 13	14.00 20	24.00 25
1962	6.20 30	6.20 30	6.50 30	7.30 30	9.40 29	13.00 29	20.00 28	22.00 28	24.00 26
1963	0.80 17	0.87 14	0.97 14	0.99 13	1.50 12	3.00 11	4.90 11	7.60 10	19.00 18
1964	0.00 2	0.00 1	0.03 4	0.06 4	0.17 4	0.45 4	1.00 4	3.60 4	14.00 8
1965	0.00 3	0.00 2	0.00 1	0.00 1	0.03 1	0.17 2	0.43 1	0.80 1	6.30 2
1966	0.00 4	0.00 3	0.01 2	0.05 2	0.15 3	1.60 7	3.20 7	3.70 5	8.60 6
1967	0.00 5	0.00 4	0.03 3	0.06 3	0.08 2	0.14 1	0.44 2	1.40 2	6.50 3
1968	2.00 23	2.20 23	3.00 24	3.90 25	6.30 24	8.70 24	13.00 22	16.00 23	21.00 21
1969	0.70 15	0.89 16	0.95 13	1.30 14	1.50 13	2.20 8	5.00 12	8.50 12	26.00 28
1970	1.19 21	1.50 22	2.10 22	3.60 23	7.30 27	12.00 27	20.00 29	24.00 29	28.00 29

STATION NUMBER 01093000

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
SUCKER BROOK AT AUBURN, NH

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	67	11688	100.0	12	2.9	238	10386	88.9	24	64.0	784	2179	18.6
1	0.1	58	11621	99.4	13	3.7	246	10148	86.8	25	83.0	633	1395	11.9
2	0.2	90	11563	98.9	14	4.8	313	9902	84.7	26	110.0	322	762	6.5
3	0.3	61	11473	98.2	15	6.3	307	9589	82.0	27	140.0	223	440	3.7
4	0.4	72	11412	97.6	16	8.1	454	9282	79.4	28	180.0	110	217	1.8
5	0.5	34	11340	97.0	17	11.0	485	8828	75.5	29	230.0	65	107	.9
6	0.6	126	11306	96.7	18	14.0	834	8343	71.4	30	300.0	30	42	.3
7	0.8	99	11180	95.7	19	18.0	965	7509	64.2	31	390.0	10	12	.1
8	1.0	114	11081	94.8	20	23.0	1147	6544	56.0	32	510.0	2	2	
9	1.3	153	10967	93.8	21	30.0	1132	5397	46.2	33				
10	1.7	195	10814	92.5	22	38.0	1208	4265	36.5	34				
11	2.2	233	10619	90.9	23	50.0	878	3057	26.2					

VALUE EXCEEDED "P" PERCENT OF TIME

V95 = 1.0
V90 = 2.5
V75 = 11.0
V70 = 15.0
V50 = 27.0
V25 = 52.0
V10 = 93.0

[illegible] DAYS IN YEAR ENDING MARCH 31

DISCHAR[illegible] IN CUBIC FEET PER SECOND
MEAN
SOUHEGAN RIVER AT MERRIMACK, NH

YEAR	1	3	7	14	30	60	90	120	183
1911	21.00 31	21.00 28	22.00 24	25.00 27	33.00 56	34.00 26	36.00 21	38.00 16	46.00 8
1912	21.00 32	24.00 38	24.00 33	26.00 30	34.00 57	36.00 28	44.00 29	54.00 29	94.00 32
1913	24.00 44	28.00 42	31.00 43	33.00 43	34.00 58	39.00 32	42.00 26	43.00 25	88.00 28
1914	21.00 33	31.00 49	36.00 53	40.00 56	46.00 51	53.00 46	54.00 39	62.00 34	116.00 44
1915	20.00 24	21.00 29	21.00 18	22.00 17	22.00 11	23.00 7	26.00 7	30.00 8	38.00 5
1916	31.00 54	35.00 57	40.00 57	47.00 57	49.00 53	95.00 61	123.00 62	145.00 62	229.00 64
1917	32.00 56	39.00 58	42.00 58	47.00 58	63.00 57	72.00 57	85.00 57	92.00 50	112.00 42
1918	30.00 51	34.00 56	37.00 55	38.00 54	42.00 [illegible]	70.00 55	72.00 51	92.00 51	98.00 35
1919	32.00 57	33.00 54	37.00 56	37.00 50	45.00 50	48.00 44	66.00 46	82.00 47	101.00 36
1920	24.00 45	25.00 39	27.00 38	29.00 37	32.00 31	41.00 35	50.00 35	51.00 28	97.00 33
1921	25.00 46	30.00 43	33.00 48	37.00 51	53.00 55	63.00 53	68.00 49	103.00 58	150.00 52
1922	31.00 55	31.00 50	32.00 47	36.00 47	38.00 44	39.00 33	49.00 33	65.00 38	93.00 31
1923	40.00 61	44.00 63	45.00 59	51.00 60	76.00 62	95.00 62	97.00 59	98.00 56	131.00 47
1924	18.00 19	21.00 30	23.00 30	26.00 31	29.00 28	33.00 21	40.00 25	42.00 24	73.00 22
1925	18.00 20	20.00 22	21.00 19	21.00 14	23.00 13	26.00 14	31.00 15	31.00 9	40.00 6
1926	16.00 15	19.00 16	22.00 25	24.00 22	36.00 40	41.00 34	59.00 43	61.00 33	81.00 25
1927	14.00 5	17.00 13	18.00 11	19.00 10	22.00 12	24.00 9	27.00 10	32.00 10	66.00 19
1928	23.00 39	31.00 51	34.00 49	39.00 55	43.00 49	47.00 43	67.00 47	96.00 53	136.00 48
1929	82.00 66	93.00 66	101.00 66	107.00 66	114.00 66	116.00 64	125.00 63	145.00 63	165.00 57
1930	15.00 11	17.00 14	19.00 13	22.00 18	24.00 14	24.00 10	26.00 8	27.00 7	36.00 4
1931	14.00 6	15.00 8	20.00 15	20.00 11	21.00 [illegible]	24.00 11	28.00 11	37.00 13	62.00 16
1932	18.00 16	19.00 17	23.00 26	28.00 35	36.00 [illegible]	45.00 40	51.00 36	56.00 30	76.00 23
1933	15.00 12	15.00 9	16.00 9	18.00 9	19.00 7	23.00 8	27.00 9	41.00 23	88.00 29
1934	21.00 34	23.00 33	28.00 39	29.00 38	32.00 32	36.00 29	47.00 30	67.00 39	104.00 40
1935	23.00 40	23.00 34	26.00 36	29.00 39	30.00 29	38.00 30	69.00 50	97.00 54	150.00 53
1936	29.00 48	30.00 44	31.00 44	31.00 40	38.00 45	53.00 47	57.00 41	63.00 35	92.00 30
1937	20.00 25	21.00 23	25.00 34	28.00 36	32.00 33	33.00 22	35.00 19	40.00 20	63.00 17
1938	24.00 41	25.00 40	30.00 40	31.00 41	35.00 39	51.00 45	53.00 37	71.00 40	178.00 61
1939	62.00 65	67.00 65	74.00 65	82.00 65	109.00 64	233.00 66	268.00 66	284.00 66	348.00 66
1940	22.00 35	22.00 31	23.00 27	26.00 32	30.00 30	33.00 23	37.00 22	38.00 17	52.00 10
1941	21.00 26	21.00 24	23.00 28	24.00 23	27.00 21	31.00 17	32.00 16	48.00 26	82.00 26
1942	14.00 7	14.00 5	14.00 5	14.00 5	16.00 5	18.00 6	20.00 5	22.00 5	34.00 3
1943	41.00 62	43.00 61	49.00 63	55.00 61	66.00 60	70.00 56	94.00 58	114.00 60	159.00 54
1944	19.00 21	19.00 18	21.00 20	22.00 19	26.00 18	34.00 24	53.00 38	58.00 32	125.00 46
1945	21.00 27	21.00 25	22.00 21	25.00 28	33.00 34	55.00 49	101.00 60	101.00 57	145.00 51
1946	41.00 63	43.00 62	46.00 60	50.00 59	55.00 56	65.00 54	68.00 48	97.00 55	164.00 55
1947	39.00 59	40.00 59	47.00 62	58.00 63	68.00 61	74.00 58	79.00 56	95.00 52	97.00 34
1948	23.00 36	23.00 35	26.00 37	27.00 33	27.00 22	34.00 25	43.00 27	71.00 41	112.00 43
1949	18.00 17	19.00 19	20.00 16	20.00 12	21.00 10	25.00 12	29.00 14	39.00 18	80.00 24

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STATION NUMBER 01094000

STATION NUMBER 01094000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
SOUHEGAN RIVER AT MERRIMACK, NH

YEAR	1	3	7	14	30	60	90	120	183
1950	20.00 22	20.00 20	21.00 17	24.00 24	27.00 23	31.00 18	35.00 20	37.00 14	46.00 9
1951	21.00 28	21.00 26	22.00 22	23.00 20	25.00 15	31.00 19	34.00 17	37.00 15	55.00 11
1952	54.00 64	59.00 64	66.00 64	68.00 64	81.00 63	123.00 65	141.00 64	146.00 64	181.00 62
1953	24.00 42	27.00 41	32.00 45	34.00 44	38.00 46	43.00 38	49.00 34	57.00 31	86.00 27
1954	20.00 23	20.00 21	22.00 23	24.00 21	26.00 19	28.00 15	34.00 18	36.00 11	65.00 18
1955	39.00 60	42.00 60	46.00 61	55.00 62	111.00 65	113.00 63	152.00 65	259.00 65	310.00 65
1956	18.00 18	18.00 15	19.00 14	21.00 15	28.00 27	62.00 52	76.00 55	85.00 48	165.00 56
1957	23.00 37	23.00 36	24.00 31	25.00 25	27.00 24	31.00 20	38.00 24	40.00 21	61.00 15
1958	14.00 8	14.00 6	14.00 6	15.00 6	16.00 6	17.00 5	20.00 6	22.00 6	45.00 7
1959	21.00 29	22.00 32	24.00 32	26.00 29	28.00 25	38.00 31	44.00 28	49.00 27	70.00 20
1960	23.00 38	24.00 37	25.00 35	25.00 26	28.00 26	42.00 36	48.00 31	63.00 36	106.00 41
1961	30.00 52	30.00 45	32.00 46	35.00 45	45.00 59	76.00 60	108.00 61	143.00 61	174.00 59
1962	31.00 53	32.00 52	35.00 50	37.00 48	50.00 54	57.00 50	73.00 52	78.00 45	103.00 37
1963	15.00 9	16.00 10	16.00 7	17.00 8	20.00 8	26.00 13	28.00 12	39.00 19	123.00 45
1964	11.00 4	11.00 4	11.00 4	12.00 4	13.00 4	16.00 4	18.00 4	21.00 4	56.00 12
1965	7.40 3	7.60 3	8.60 3	9.20 3	11.00 3	13.00 3	14.00 2	15.00 1	24.00 1
1966	4.00 1	4.20 1	4.80 1	6.90 2	8.60 2	10.00 1	13.00 1	17.00 2	29.00 2
1967	4.20 2	4.80 2	5.20 2	5.90 1	7.10 1	11.00 2	16.00 3	20.00 3	60.00 14
1968	34.00 58	34.00 55	36.00 54	38.00 52	47.00 52	60.00 51	65.00 44	78.00 46	136.00 49
1969	29.00 49	30.00 46	30.00 41	33.00 42	37.00 42	45.00 41	49.00 32	72.00 42	177.00 60
1970	21.00 30	21.00 27	23.00 29	27.00 34	33.00 55	54.00 48	65.00 45	76.00 43	103.00 38
1971	16.00 13	16.00 11	18.00 12	20.00 13	25.00 16	28.00 16	29.00 13	37.00 12	71.00 21
1972	16.00 14	16.00 12	17.00 10	22.00 16	26.00 20	35.00 27	37.00 23	41.00 22	56.00 13
1973	29.00 50	33.00 53	35.00 51	36.00 46	37.00 43	44.00 39	59.00 42	76.00 44	173.00 58
1974	28.00 47	30.00 47	36.00 52	37.00 49	40.00 47	47.00 42	74.00 53	86.00 49	140.00 50
1975	15.00 10	15.00 7	16.00 8	16.00 7	25.00 17	43.00 37	55.00 40	64.00 37	103.00 39
1976	24.00 43	30.00 48	31.00 42	38.00 53	64.00 56	75.00 59	74.00 54	112.00 59	209.00 63

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STATION NUMBER 01094000

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
SOUHEGAN RIVER AT MERRIMACK, NH

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	24472	100.0	12	50.0	1310	19390	79.2	24	780	732	2006	8.1
1	4.00	22	24472	100.0	13	63.0	1281	18080	73.9	25	990	402	1274	5.2
2	5.00	20	24450	99.9	14	79.0	1440	16799	68.6	26	1200	444	872	3.5
3	6.30	21	24430	99.8	15	99.0	1301	15359	62.8	27	1600	200	428	1.7
4	8.00	23	24409	99.7	16	120.0	2185	14058	57.4	28	2000	120	228	.9
5	10.00	52	24386	99.6	17	160.0	1907	11873	48.5	29	2500	67	108	.4
6	13.00	131	24334	99.4	18	200.0	1795	9966	40.7	30	3100	22	41	.1
7	16.00	284	24203	98.9	19	250.0	1533	8171	33.4	31	3900	8	19	
8	20.00	680	23919	97.7	20	310.0	1420	6638	27.1	32	4900	6	11	
9	25.00	1211	23239	95.0	21	390.0	1330	5218	21.3	33	6200	4	5	
10	32.00	1324	22028	90.0	22	500.0	994	3888	15.9	34	7800	1	1	
11	40.00	1314	20704	84.6	23	620.0	888	2894	11.8					

VALUE EXCEEDED "P" PERCENT OF TIME

V95 = 25.00
V90 = 32.00
V75 = 60.00
V70 = 75.00
V50 = 150.00
V25 = 340.00
V10 = 700.00

STATION NUMBER 01128500

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND

MEAN

CONNECTICUT R AT FIRST CONN LK NR PITTSBURG, NH

YEAR	1	3	7	14	30	60	90	120	183
1918	3.00 1	3.00 1	3.00 1	3.10 1	5.30 2	66.00 53	169.00 63	218.00 63	229.00 63
1919	7.00 39	7.30 37	7.70 39	9.40 48	12.00 45	27.00 35	70.00 39	91.00 38	176.00 55
1920	13.00 62	13.00 62	14.00 62	18.00 62	21.00 59	26.00 34	58.00 33	71.00 29	150.00 47
1921	5.00 12	5.00 9	5.10 10	5.60 11	8.80 24	17.00 30	30.00 23	75.00 30	106.00 28
1922	5.00 13	5.00 10	5.60 14	5.80 15	26.00 61	46.00 44	48.00 29	50.00 18	88.00 19
1923	6.00 29	6.00 26	6.00 20	6.00 16	6.50 8	17.00 31	63.00 37	84.00 33	167.00 60
1924	5.00 14	5.00 11	5.00 9	5.40 9	15.00 56	16.00 29	16.00 16	47.00 17	129.00 36
1925	6.00 30	6.30 29	6.60 28	6.90 25	8.20 19	49.00 47	154.00 57	171.00 60	177.00 56
1926	16.00 63	17.00 63	21.00 63	26.00 63	39.00 62	53.00 48	60.00 36	138.00 55	137.00 40
1927	6.30 33	6.70 34	7.50 36	7.80 31	17.00 57	45.00 42	50.00 30	124.00 51	160.00 52
1928	6.80 38	8.10 43	8.50 43	9.20 43	13.00 50	33.00 39	37.00 24	43.00 13	155.00 49
1929	3.10 2	3.20 2	3.40 2	3.60 2	22.00 60	126.00 59	165.00 61	158.00 57	171.00 53
1930	4.20 5	4.20 5	4.20 5	4.30 3	7.60 16	47.00 45	84.00 46	95.00 40	115.00 31
1931	5.40 19	5.40 17	6.00 21	7.50 30	44.00 63	68.00 55	84.00 47	84.00 34	124.00 32
1932	6.60 35	6.70 35	6.90 32	6.90 26	8.70 23	10.00 12	11.00 6	12.00 4	13.00 3
1933	6.20 31	6.20 28	6.30 25	7.10 28	8.90 25	11.00 18	12.00 11	54.00 22	127.00 34
1934	6.20 32	6.50 31	6.70 31	6.70 21	8.60 20	30.00 36	80.00 43	87.00 35	105.00 26
1935	5.80 24	5.80 22	7.00 33	7.90 32	9.80 35	49.00 46	58.00 34	66.00 28	81.00 11
1936	5.80 25	5.80 23	5.80 17	6.00 17	7.20 12	9.60 7	23.00 19	51.00 19	76.00 10
1937	5.80 26	5.80 24	5.80 18	12.00 59	13.00 51	39.00 40	56.00 31	105.00 42	180.00 57
1938	5.20 18	5.60 18	6.00 22	6.70 22	7.30 13	9.60 8	11.00 7	21.00 8	39.00 5
1939	6.60 36	6.60 32	6.60 29	6.90 27	8.00 18	9.70 9	10.00 5	15.00 5	85.00 17
1940	6.00 27	6.00 25	6.20 24	7.50 29	8.70 21	10.00 13	29.00 22	46.00 15	66.00 9
1941	5.60 20	5.60 19	5.60 15	5.60 12	6.10 5	8.00 2	9.00 1	9.70 1	11.00 1
1942	5.70 22	5.70 20	6.00 23	6.70 23	7.40 14	9.40 6	9.90 3	10.00 3	15.00 4
1943	7.60 43	7.60 39	7.60 37	7.90 33	11.00 41	20.00 32	27.00 21	55.00 24	101.00 25
1944	8.60 48	9.30 52	9.30 51	9.30 45	9.90 36	96.00 58	104.00 53	108.00 45	173.00 54
1945	8.60 49	8.60 46	8.60 44	8.60 40	8.90 26	11.00 14	12.00 8	25.00 9	52.00 6
1946	7.80 44	7.80 42	8.10 42	8.20 39	13.00 52	66.00 54	106.00 54	139.00 56	141.00 43
1947	9.60 55	9.60 54	9.60 53	9.70 52	10.00 37	59.00 50	78.00 41	92.00 39	127.00 35
1948	8.20 46	8.60 47	8.70 45	9.40 46	9.40 28	31.00 38	59.00 35	57.00 25	82.00 12
1949	9.90 56	9.90 55	9.90 54	9.90 53	11.00 42	26.00 33	73.00 40	91.00 36	95.00 23
1950	8.80 51	8.80 49	10.00 55	10.00 54	13.00 53	46.00 43	91.00 50	91.00 37	112.00 29
1951	8.80 52	8.80 50	9.10 50	9.20 44	9.70 33	12.00 19	83.00 44	114.00 48	141.00 44
1952	10.00 57	10.00 56	10.00 56	14.00 61	15.00 54	60.00 51	101.00 52	121.00 49	148.00 46
1953	10.00 58	10.00 57	10.00 57	11.00 55	12.00 46	14.00 26	45.00 27	81.00 32	112.00 30
1954	11.00 59	11.00 58	11.00 58	11.00 56	15.00 55	130.00 60	136.00 56	137.00 54	137.00 41
1955	12.00 61	12.00 61	12.00 61	13.00 60	18.00 58	140.00 62	164.00 59	183.00 62	204.00 61
1956	8.40 47	8.40 44	8.70 46	9.60 51	12.00 47	14.00 27	44.00 25	47.00 16	90.00 2[illegible]

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STATION NUMBER 01128500

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND

MEAN

CONNECTICUT R AT FIRST CONN LK NR PITTSBURG, NH

YEAR	1		3		7		14		30		60		90		120		183	
1957	8.70	50	8.70	48	8.70	47	8.70	41	9.40	29	12.00	20	14.00	14	52.00	20	84.00	15
1958	7.50	41	7.50	38	7.50	34	9.40	47	11.00	43	12.00	21	19.00	17	20.00	7	61.00	7
1959	7.50	42	7.70	40	7.90	41	8.00	36	9.70	34	12.00	22	13.00	12	32.00	10	106.00	27
1960	8.10	45	8.50	45	9.00	48	9.50	49	10.00	38	12.00	23	24.00	20	57.00	26	89.00	20
1961	5.70	23	11.00	59	11.00	59	11.00	57	12.00	48	14.00	28	16.00	15	57.00	27	95.00	22
1962	3.80	3	3.80	3	3.80	3	5.10	8	6.10	6	8.90	5	46.00	28	97.00	41	135.00	37
1963	3.80	4	4.00	4	4.20	4	5.00	7	6.00	4	11.00	15	12.00	9	36.00	11	100.00	24
1964	5.00	15	5.00	12	5.40	13	5.60	13	7.00	11	11.00	16	22.00	18	54.00	23	159.00	50
1965	4.40	7	7.70	41	7.80	40	8.10	37	9.50	30	12.00	24	56.00	32	79.00	31	68.00	8
1966	4.40	8	4.40	6	4.40	6	4.60	6	5.40	3	7.80	1	9.10	2	9.90	2	11.00	2
1967	6.40	34	6.40	30	6.40	26	6.40	20	7.40	15	9.80	10	12.00	10	43.00	12	84.00	16
1968	9.00	53	9.00	51	9.00	49	9.20	42	11.00	44	30.00	37	84.00	45	106.00	43	152.00	48
1969	11.00	60	11.00	60	11.00	60	12.00	58	13.00	49	39.00	41	69.00	38	110.00	47	136.00	38
1970	5.20	16	5.20	13	6.60	27	7.90	34	10.00	39	153.00	63	156.00	58	165.00	59	181.00	58
1971	5.20	17	5.20	14	5.20	11	5.50	10	6.90	10	11.00	17	13.00	13	44.00	14	82.00	13
1972	4.80	10	5.20	15	5.40	12	5.80	14	6.60	9	10.00	11	44.00	26	53.00	21	87.00	18
1973	4.80	11	5.20	16	5.70	16	6.10	19	8.70	22	60.00	52	79.00	42	127.00	52	159.00	51
1974	6.70	37	6.70	33	6.70	30	6.80	24	7.90	17	56.00	49	90.00	49	122.00	50	141.00	42
1975	6.00	28	6.10	27	7.70	38	7.90	35	9.10	27	137.00	61	167.00	62	174.00	61	181.00	59
1976	5.60	21	5.80	21	5.90	19	6.00	18	6.40	7	8.30	4	10.00	4	17.00	6	83.00	14
1977	7.30	40	7.30	36	7.50	35	8.20	38	9.60	32	74.00	56	165.00	60	164.00	58	217.00	62
1978	4.40	9	4.40	7	4.40	7	4.40	4	9.50	31	14.00	25	86.00	48	109.00	46	147.00	45
1979	4.30	6	4.40	8	4.40	8	4.60	5	5.20	1	8.10	3	96.00	51	106.00	44	124.00	33
1980	9.40	54	9.40	53	9.40	52	9.60	50	10.00	40	88.00	57	120.00	55	131.00	53	137.00	39

STATION NUMBER 01128500

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
CONNECTICUT R AT FIRST CONN LK NR PITTSBURG, NH

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	22645	100.0	12	28.0	143	15373	67.9	24	310	1070	5336	23.5
1	3.00	9	22645	100.0	13	34.0	256	15230	67.3	25	380	1298	4266	18.8
2	3.70	77	22636	100.0	14	41.0	387	14974	66.1	26	460	1501	2968	13.1
3	4.50	133	22559	99.6	15	50.0	664	14587	64.4	27	570	566	1467	6.4
4	5.50	363	22426	99.0	16	62.0	454	13923	61.5	28	690	557	901	3.9
5	6.70	534	22063	97.4	17	75.0	574	13469	59.5	29	850	189	344	1.5
6	8.20	628	21529	95.1	18	92.0	1018	12895	56.9	30	1000	109	155	.6
7	10.00	897	20901	92.3	19	110.0	725	11877	52.4	31	1300	41	46	.2
8	12.00	2086	20004	88.3	20	140.0	1733	11152	49.2	32	1600	1	5	
9	15.00	1712	17918	79.1	21	170.0	1182	9419	41.6	33	1900	2	4	
10	18.00	708	16206	71.6	22	210.0	1224	8237	36.4	34	2300	2	2	
11	23.00	125	15498	68.4	23	250.0	1677	7013	31.0					

VALUE EXCEEDED 'P' PERCENT OF TIME

V95 = 8.20
V90 = 11.00
V75 = 17.00
V70 = 21.00
V50 = 130.00
V25 = 300.00
V10 = 510.00

STATION NUMBER 01129200

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
CONNECTICUT BL INDIAN STREAM NR PITTSBURG, NH

YEAR	1		3		7		14		30		60		90		120		183	
1958	41,00	8	41,00	6	45,00	6	81,00	11	110,00	11	179,00	12	205,00	9	256,00	9	291,00	
1959	76,00	18	80,00	18	86,00	15	117,00	15	135,00	14	152,00	10	230,00	12	351,00	16	448,00	1
1960	49,00	13	50,00	13	54,00	12	147,00	19	238,00	21	304,00	19	330,00	16	338,00	15	379,00	1
1961	34,00	4	35,00	4	45,00	7	54,00	6	82,00	7	102,00	4	183,00	6	255,00	7	266,00	
1962	50,00	14	50,00	14	54,00	13	81,00	12	203,00	17	432,00	22	472,00	22	494,00	22	502,00	2
1963	38,00	5	39,00	5	41,00	4	47,00	4	65,00	3	102,00	5	180,00	5	302,00	11	359,00	1
1964	53,00	16	54,00	15	56,00	14	63,00	9	88,00	9	127,00	9	225,00	11	323,00	13	421,00	1
1965	41,00	6	42,00	7	44,00	5	48,00	5	65,00	4	71,00	2	160,00	3	210,00	3	299,00	
1966	30,00	1	31,00	1	34,00	2	43,00	3	51,00	2	65,00	1	81,00	1	102,00	1	184,00	
1967	33,00	3	34,00	3	38,00	3	41,00	2	79,00	6	176,00	11	221,00	10	229,00	5	331,00	
1968	52,00	15	65,00	17	104,00	18	126,00	17	220,00	19	279,00	17	365,00	17	406,00	19	464,00	1
1969	41,00	7	42,00	8	46,00	8	56,00	7	87,00	8	108,00	7	189,00	7	254,00	8	301,00	
1970	80,00	21	81,00	19	143,00	21	174,00	20	271,00	22	362,00	21	413,00	20	487,00	21	481,00	2
1971	43,00	11	45,00	11	48,00	9	57,00	8	72,00	5	100,00	3	165,00	4	217,00	4	320,00	
1972	42,00	9	44,00	9	52,00	10	91,00	13	96,00	10	123,00	8	197,00	8	244,00	6	341,00	
1973	42,00	10	45,00	10	87,00	16	96,00	14	125,00	12	187,00	13	279,00	14	331,00	14	426,00	1
1974	56,00	17	63,00	16	124,00	19	126,00	18	193,00	16	263,00	15	440,00	21	435,00	20	512,00	2
1975	153,00	23	196,00	23	201,00	23	204,00	21	210,00	18	323,00	20	384,00	18	402,00	18	472,00	1
1976	31,00	2	32,00	2	33,00	1	35,00	1	46,00	1	105,00	6	110,00	2	149,00	2	315,00	
1977	77,00	19	84,00	21	196,00	22	268,00	23	381,00	23	465,00	23	532,00	23	557,00	23	654,00	2
1978	47,00	12	48,00	12	52,00	11	68,00	10	134,00	13	287,00	18	386,00	19	357,00	17	457,00	1
1979	89,00	22	112,00	22	140,00	20	210,00	22	223,00	20	263,00	16	272,00	13	321,00	12	375,00	1
1980	79,00	20	81,00	20	90,00	17	122,00	16	165,00	15	226,00	14	285,00	15	301,00	10	360,00	1

B-45

STATION NUMBER 01129200

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
CONNECTICUT BL INDIAN STREAM NR PITTSBURG, NH

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	8400	100.0	12	140.0	201	7233	86.1	24	790	698	2294	27.3
1	30.00	16	8400	100.0	13	160.0	221	7032	83.7	25	910	281	1596	19.0
2	35.00	29	8384	99.8	14	190.0	254	6811	81.1	26	1000	712	1315	15.6
3	40.00	68	8355	99.5	15	220.0	195	6557	78.1	27	1200	262	603	7.1
4	46.00	105	8287	98.7	16	250.0	279	6362	75.7	28	1400	186	341	4.0
5	53.00	115	8182	97.4	17	290.0	407	6083	72.4	29	1600	88	155	1.8
6	61.00	111	8067	96.0	18	340.0	475	5676	67.6	30	1800	36	67	.7
7	70.00	123	7956	94.7	19	390.0	489	5201	61.9	31	2100	14	31	.3
8	81.00	132	7833	93.3	20	450.0	330	4712	56.1	32	2400	9	17	.2
9	93.00	161	7701	91.7	21	510.0	882	4382	52.2	33	2800	7	8	
10	110.00	108	7540	89.8	22	590.0	624	3500	41.7	34	3300	1	1	
11	120.00	199	7432	88.5	23	680.0	582	2876	34.2					

VALUE EXCEEDED "P" PERCENT OF TIME

V95 = 68.00
V90 = 110.00
V75 = 260.00
V70 = 310.00
V50 = 530.00
V25 = 820.00
V10 = 1100.00

B-96

STATION NUMBER 01129500

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
CONNECTICUT RIVER AT NORTH STRATFORD, NH

YEAR	1		3		7		14		30		60		90		120		183	
1932	230.00	30	240.00	30	248.00	26	280.00	22	386.00	22	746.00	41	688.00	31	830.00	33	1100.00	33
1933	300.00	38	305.00	35	315.00	31	351.00	28	426.00	28	671.00	37	813.00	38	955.00	38	1230.00	37
1934	197.00	21	210.00	19	226.00	20	248.00	12	372.00	19	645.00	35	731.00	35	712.00	27	871.00	18
1935	212.00	28	229.00	28	245.00	25	251.00	14	317.00	7	440.00	15	493.00	9	531.00	7	766.00	12
1936	223.00	29	235.00	29	253.00	27	257.00	16	333.00	12	429.00	13	505.00	13	561.00	10	795.00	13
1937	238.00	33	258.00	32	310.00	30	377.00	33	460.00	32	704.00	39	664.00	28	806.00	32	1230.00	38
1938	198.00	22	209.00	18	221.00	15	254.00	15	322.00	9	352.00	4	394.00	3	511.00	4	929.00	25
1939	235.00	31	252.00	31	335.00	35	366.00	32	512.00	37	604.00	32	692.00	32	840.00	35	1140.00	34
1940	154.00	13	180.00	14	190.00	11	214.00	7	263.00	4	309.00	3	513.00	15	674.00	24	990.00	28
1941	119.00	7	139.00	5	152.00	3	173.00	2	219.00	1	304.00	2	369.00	2	451.00	2	821.00	15
1942	115.00	6	146.00	6	168.00	7	224.00	8	372.00	20	411.00	9	466.00	6	513.00	5	671.00	4
1943	129.00	8	150.00	7	160.00	4	207.00	5	245.00	2	279.00	1	344.00	1	471.00	3	887.00	21
1944	294.00	37	304.00	34	331.00	34	380.00	35	674.00	45	871.00	43	948.00	41	1050.00	40	1250.00	39
1945	142.00	10	157.00	10	172.00	10	264.00	17	361.00	16	466.00	18	525.00	18	567.00	11	917.00	24
1946	205.00	26	212.00	22	296.00	29	364.00	31	439.00	30	621.00	34	976.00	43	1260.00	46	1500.00	45
1947	202.00	24	215.00	24	231.00	21	324.00	27	374.00	21	473.00	19	512.00	14	608.00	19	678.00	19
1948	206.00	27	212.00	23	214.00	14	243.00	10	350.00	13	498.00	21	542.00	20	533.00	8	587.00	1
1949	112.00	3	126.00	2	164.00	5	209.00	6	327.00	10	372.00	5	451.00	5	446.00	1	651.00	3
1950	138.00	9	165.00	11	225.00	18	250.00	13	320.00	8	393.00	6	501.00	12	549.00	9	700.00	6
1951	242.00	34	300.00	33	341.00	36	397.00	38	541.00	39	730.00	40	748.00	37	800.00	31	895.00	22
1952	273.00	35	311.00	37	371.00	41	443.00	41	485.00	35	564.00	28	599.00	24	673.00	23	832.00	16
1953	290.00	36	307.00	36	350.00	39	423.00	40	476.00	33	505.00	22	538.00	19	590.00	14	702.00	7
1954	236.00	32	339.00	41	368.00	40	387.00	36	412.00	26	459.00	17	493.00	10	528.00	6	690.00	2
1955	454.00	46	466.00	45	602.00	47	644.00	47	825.00	46	1030.00	47	1370.00	48	1570.00	48	1750.00	48
1956	114.00	4	133.00	4	168.00	6	194.00	3	272.00	5	494.00	20	624.00	25	602.00	17	736.00	10
1957	341.00	43	363.00	43	416.00	42	485.00	43	547.00	40	603.00	31	628.00	26	706.00	25	899.00	23
1958	145.00	11	155.00	8	169.00	8	273.00	20	395.00	25	533.00	24	672.00	29	706.00	26	930.00	26
1959	365.00	44	377.00	44	457.00	43	476.00	42	619.00	43	919.00	45	956.00	42	1060.00	43	1320.00	42
1960	169.00	15	219.00	25	222.00	16	301.00	26	392.00	24	565.00	29	577.00	22	840.00	36	1150.00	35
1961	108.00	1	168.00	12	223.00	17	265.00	18	447.00	31	527.00	23	518.00	16	577.00	12	722.00	8
1962	307.00	39	320.00	38	324.00	32	354.00	29	477.00	34	680.00	38	743.00	36	799.00	30	962.00	27
1963	114.00	5	127.00	3	149.00	2	204.00	4	354.00	14	553.00	26	917.00	39	1050.00	41	1300.00	41
1964	196.00	20	211.00	20	275.00	28	391.00	37	507.00	36	564.00	27	699.00	33	954.00	37	1020.00	30
1965	198.00	23	212.00	21	238.00	22	280.00	23	390.00	23	421.00	11	584.00	23	649.00	22	750.00	11
1966	147.00	12	156.00	9	172.00	9	247.00	11	328.00	11	440.00	14	546.00	21	617.00	20	1030.00	31
1967	191.00	18	207.00	17	238.00	23	297.00	25	554.00	41	592.00	30	647.00	27	750.00	28	845.00	17
1968	370.00	45	475.00	46	541.00	46	638.00	46	882.00	47	1090.00	48	1110.00	47	1130.00	44	1230.00	36
1969	180.00	16	183.00	15	196.00	12	234.00	9	360.00	15	397.00	7	488.00	8	577.00	13	803.00	14
1970	484.00	47	493.00	47	515.00	45	539.00	44	610.00	42	904.00	44	1050.00	44	1050.00	42	1330.00	43

STATION NUMBER 01129500

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
CONNECTICUT RIVER AT NORTH STRATFORD, NH

YEAR	1	3	7	14	30	60	90	120	183
1971	183.00 17	192.00 16	214.00 13	290.00 24	369.00 17	417.00 10	498.00 11	592.00 15	865.00 20
1972	165.00 14	170.00 13	226.00 19	276.00 21	304.00 6	426.00 12	524.00 17	605.00 18	732.00 9
1973	195.00 19	222.00 26	325.00 33	417.00 39	519.00 38	612.00 33	730.00 34	833.00 34	1080.00 32
1974	335.00 42	343.00 42	512.00 44	579.00 45	633.00 44	663.00 36	1090.00 46	1260.00 47	1660.00 47
1975	307.00 40	332.00 39	343.00 37	378.00 34	414.00 27	551.00 25	680.00 30	783.00 29	1000.00 29
1976	111.00 2	116.00 1	128.00 1	148.00 1	248.00 3	401.00 8	447.00 4	648.00 21	1260.00 40
1977	555.00 48	636.00 48	687.00 48	720.00 48	891.00 48	1000.00 46	1080.00 45	1150.00 45	1420.00 44
1978	203.00 25	222.00 27	239.00 24	269.00 19	370.00 18	839.00 42	936.00 40	1030.00 39	1560.00 46
1979	326.00 41	333.00 40	343.00 38	362.00 30	433.00 29	451.00 16	473.00 7	598.00 16	676.00 5

STATION NUMBER 01129500

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
CONNECTICUT RIVER AT NORTH STRATFORD, NH

NUMBER OF DAYS IN CLASS

CLASS / YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1971				3	5	4	2	11	10	14	11	17	14	28	46	56	56
1972									1	2	3	21	43	76	39	52	34
1973					1	1	1	3	5	7	22	24	12	16	13	17	23
1974								9	11	7	10	5	16	17	21	24	41
1975		3	5	5	6	5	9	8	8	11	7	6	28	31	32	51	72
1976												9	21	27	15	32	34
1977					1	4	5	8	8	7	8	6	9	41	34	65	36
1978								6	8	30	21	22	13	11	15	21	32
1979					1		8	8	10	15	21	31	38	50	27	28	23

CLASS / YEAR	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33
1971	17	11	15	8	5	4	5	4	7	2	8	1	1				
1972	19	18	13	5	4	6	9	2	7	3	1	1	4	1	1		1
1973	20	40	58	40	17	12	13	6	7	4		2		1			
1974	41	36	36	9	12	10	14	19	8	5	4	4	2	2	1	1	
1975	17	14	8	8	6	4	6	4	6	2	2		1				
1976	34	41	54	31	25	13	6	6	3	5	2	4	3		1		
1977	28	25	20	17	9	2	10	8	6	5			3				
1978	21	29	33	24	27	17	3	13	9	3	4	2	1				
1979	15	12	12	23	11	11	6	3	3	6	1		2				

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	17897	100.0	12	640.0	1227	13863	77.5	24	4500	266	990	5.5
1	108.00	13	17897	100.0	13	760.0	1363	12636	70.6	25	5300	215	724	4.0
2	130.00	30	17884	99.9	14	890.0	1196	11273	63.0	26	6200	178	509	2.8
3	150.00	64	17854	99.8	15	1000.0	1984	10077	56.3	27	7400	101	331	1.8
4	180.00	112	17790	99.4	16	1200.0	2316	8093	45.2	28	8600	98	230	1.2
5	210.00	171	17678	98.8	17	1500.0	988	5777	32.3	29	10000	68	132	.7
6	240.00	314	17507	97.8	18	1700.0	1077	4789	26.8	30	12000	26	64	.3
7	290.00	387	17193	96.1	19	2000.0	986	3712	20.7	31	14000	26	38	.2
8	340.00	475	16806	93.9	20	2400.0	592	2726	15.2	32	17000	6	12	
9	400.00	702	16331	91.2	21	2800.0	469	2134	11.9	33	19000	5	6	
10	470.00	865	15629	87.3	22	3300.0	345	1665	9.3	34	23000	1	1	
11	550.00	901	14764	82.5	23	3800.0	330	1320	7.4					

VALUE EXCEEDED "P" PERCENT OF TIME

V95 = 310.00
V90 = 420.00
V75 = 680.00
V70 = 770.00
V50 = 1100.00
V25 = 1800.00
V10 = 3200.00

STATION NUMBER 01130000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
UPPER AMMONOOSUC RIVER NEAR GROVETON, NH

YEAR	1		3		7		14		30		60		90		120		183	
1942	72.00	31	79.00	32	85.00	31	88.00	26	91.00	16	115.00	20	174.00	29	199.00	30	265.00	25
1943	36.00	2	37.00	2	42.00	2	53.00	3	68.00	6	80.00	4	93.00	5	108.00	6	149.00	6
1944	100.00	38	100.00	38	100.00	35	105.00	34	112.00	31	128.00	23	140.00	21	171.00	22	302.00	32
1945	70.00	27	72.00	26	76.00	26	96.00	27	98.00	20	133.00	25	158.00	26	194.00	27	237.00	19
1946	68.00	25	72.00	27	74.00	23	82.00	22	98.00	21	133.00	26	193.00	32	264.00	36	358.00	35
1947	71.00	29	75.00	29	83.00	29	105.00	35	124.00	35	207.00	38	192.00	31	222.00	34	292.00	29
1948	41.00	5	42.00	4	43.00	3	44.00	2	47.00	1	53.00	1	59.00	1	64.00	1	79.00	1
1949	32.00	1	34.00	1	37.00	1	42.00	1	50.00	2	59.00	2	77.00	2	88.00	2	163.00	9
1950	39.00	3	51.00	9	55.00	9	64.00	8	71.00	8	78.00	3	93.00	6	105.00	4	153.00	7
1951	70.00	28	73.00	28	78.00	27	87.00	25	119.00	32	139.00	29	147.00	22	159.00	13	235.00	18
1952	83.00	34	85.00	34	108.00	38	115.00	38	146.00	38	164.00	33	174.00	30	197.00	29	272.00	26
1953	44.00	6	53.00	10	63.00	16	66.00	9	74.00	9	85.00	6	88.00	3	94.00	3	120.00	2
1954	46.00	9	50.00	7	61.00	10	74.00	16	85.00	15	87.00	7	97.00	7	106.00	5	129.00	3
1955	125.00	39	130.00	39	134.00	39	144.00	39	167.00	39	212.00	39	263.00	39	294.00	37	424.00	37
1956	72.00	30	79.00	30	84.00	30	96.00	28	100.00	23	118.00	21	157.00	25	161.00	15	194.00	14
1957	78.00	32	79.00	31	87.00	32	96.00	29	102.00	26	176.00	35	212.00	36	215.00	33	242.00	20
1958	63.00	21	65.00	20	69.00	17	76.00	18	79.00	12	95.00	9	122.00	12	177.00	23	262.00	23
1959	95.00	37	95.00	37	101.00	36	109.00	36	124.00	36	176.00	36	195.00	33	207.00	32	301.00	30
1960	54.00	12	56.00	12	61.00	11	71.00	15	96.00	18	121.00	22	124.00	13	184.00	25	344.00	34
1961	52.00	11	53.00	11	53.00	7	57.00	6	67.00	5	107.00	14	134.00	20	165.00	16	194.00	15
1962	44.00	7	46.00	5	50.00	4	68.00	13	78.00	11	87.00	8	92.00	4	110.00	7	129.00	4
1963	68.00	26	71.00	25	80.00	28	97.00	32	101.00	25	107.00	15	124.00	14	165.00	17	329.00	33
1964	66.00	24	69.00	24	70.00	18	77.00	19	103.00	27	130.00	24	197.00	34	186.00	26	301.00	31
1965	59.00	14	60.00	14	61.00	12	69.00	14	70.00	7	100.00	10	109.00	9	123.00	9	164.00	10
1966	61.00	19	65.00	21	75.00	24	82.00	23	110.00	29	150.00	30	172.00	27	205.00	31	286.00	28
1967	65.00	22	66.00	22	71.00	20	81.00	20	98.00	19	101.00	11	108.00	8	160.00	14	181.00	12
1968	80.00	33	84.00	33	88.00	33	96.00	30	100.00	24	136.00	27	148.00	23	177.00	24	210.00	16
1969	66.00	23	69.00	23	73.00	21	75.00	17	95.00	17	101.00	12	113.00	11	120.00	8	159.00	8
1970	86.00	35	88.00	35	91.00	34	99.00	33	112.00	30	163.00	32	259.00	38	320.00	39	460.00	39
1971	46.00	8	47.00	6	55.00	8	67.00	11	99.00	22	109.00	16	124.00	15	142.00	11	188.00	13
1972	62.00	20	63.00	18	70.00	19	97.00	31	121.00	34	150.00	31	154.00	24	167.00	19	172.00	11
1973	50.00	10	51.00	8	52.00	5	56.00	4	65.00	3	105.00	13	132.00	19	169.00	20	230.00	17
1974	91.00	36	92.00	36	102.00	37	111.00	37	136.00	37	173.00	34	208.00	35	242.00	35	406.00	36
1975	60.00	15	62.00	15	75.00	25	86.00	24	119.00	33	139.00	28	173.00	28	195.00	28	249.00	22
1976	57.00	13	59.00	13	62.00	13	67.00	12	76.00	10	109.00	17	129.00	17	170.00	21	261.00	27
1977	60.00	16	62.00	16	63.00	14	64.00	7	67.00	4	82.00	5	111.00	10	166.00	18	244.00	21
1978	60.00	17	62.00	17	63.00	15	66.00	10	80.00	13	185.00	37	237.00	37	300.00	38	454.00	38
1979	60.00	18	65.00	19	74.00	22	82.00	21	103.00	28	113.00	19	125.00	16	126.00	10	146.00	5
1980	40.00	4	40.00	3	52.00	6	57.00	5	81.00	14	109.00	18	130.00	18	158.00	12	264.00	24

STATION NUMBER 01130000

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
UPPER AMMONOOSUC RIVER NEAR GROVETON, NH

CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	14244	100.0
1	32.00	7	14244	100.0
2	38.00	33	14237	100.0
3	45.00	75	14204	99.7
4	53.00	183	14129	99.2
5	63.00	330	13946	97.9
6	74.00	553	13616	95.6
7	88.00	552	13063	91.7
8	100.00	694	12511	87.8
9	120.00	1444	11617	81.6
10	150.00	856	10173	71.4
11	170.00	1067	9317	65.4

CLASS	VALUE	TOTAL	ACCUM	PERCT
12	200.0	1203	8250	57.9
13	240.0	672	7047	49.5
14	280.0	1036	6175	43.4
15	340.0	700	5139	36.1
16	400.0	605	4439	31.2
17	470.0	590	3834	26.9
18	560.0	550	3244	22.8
19	660.0	399	2694	18.9
20	780.0	409	2295	16.1
21	920.0	346	1886	13.2
22	1100.0	330	1540	10.8
23	1300.0	249	1210	8.5

CLASS	VALUE	TOTAL	ACCUM	PERCT
24	1500	259	961	6.7
25	1800	178	702	4.9
26	2100	191	524	3.6
27	2500	120	333	2.3
28	3000	86	213	1.4
29	3500	63	127	.8
30	4200	36	64	.4
31	5000	17	28	.1
32	5900	8	11	
33	6900	1	3	
34	8200	2	2	

VALUE EXCEEDED "P" PERCENT OF TIME

V95 = 76.00 0.378
V90 = 93.00 0.4[illegible]
V75 = 140.00 0.6[illegible]
V70 = 150.00 0.646
V50 = 240.00 1.034
V25 = 510.00 2.20
V10 = 1200.00 5.17

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STATION NUMBER 01131500

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
CONNECTICUT RIVER NEAR DALTON, NH

YEAR	1		3		7		14		30		60		90		120		183	
1928	365.00	31	502.00	27	526.00	22	657.00	30	790.00	29	983.00	27	1120.00	30	1250.00	26	2350.00	47
1929	392.00	34	591.00	39	651.00	36	746.00	38	821.00	35	1300.00	44	1330.00	40	1580.00	42	2300.00	45
1930	480.00	42	633.00	43	700.00	41	753.00	39	969.00	45	1020.00	31	1180.00	35	1250.00	27	1340.00	12
1931	310.00	23	431.00	20	472.00	13	502.00	9	577.00	7	616.00	3	721.00	3	917.00	7	1050.00	4
1932	346.00	27	451.00	21	526.00	23	614.00	23	724.00	23	1150.00	42	1120.00	31	1490.00	39	1900.00	35
1933	430.00	36	600.00	40	648.00	35	684.00	33	847.00	38	1090.00	35	1330.00	41	1520.00	41	2060.00	40
1934	170.00	9	313.00	8	477.00	15	581.00	20	736.00	24	1140.00	41	1250.00	37	1250.00	28	1410.00	19
1935	200.00	11	342.00	14	474.00	14	530.00	12	654.00	12	856.00	18	934.00	15	983.00	10	1370.00	15
1936	230.00	15	416.00	17	533.00	24	561.00	16	614.00	9	807.00	15	948.00	16	987.00	11	1410.00	20
1937	450.00	39	655.00	45	709.00	42	766.00	42	793.00	30	1100.00	38	1120.00	32	1270.00	31	1980.00	38
1938	115.00	1	219.00	2	456.00	12	531.00	13	658.00	13	731.00	7	801.00	5	1050.00	15	1730.00	28
1939	370.00	33	605.00	42	771.00	44	894.00	47	1090.00	47	1170.00	43	1340.00	42	1700.00	46	2210.00	43
1940	300.00	21	357.00	15	371.00	5	411.00	2	464.00	2	503.00	2	711.00	2	940.00	8	1460.00	21
1941	245.00	16	321.00	11	386.00	6	421.00	4	472.00	3	718.00	5	875.00	12	979.00	9	1630.00	26
1942	253.00	17	321.00	12	434.00	10	635.00	26	823.00	37	902.00	20	1070.00	21	1070.00	18	1380.00	16
1943	149.00	5	230.00	4	292.00	2	350.00	1	408.00	1	431.00	1	556.00	1	719.00	1	1280.00	10
1944	358.00	30	644.00	44	780.00	45	925.00	48	1150.00	48	1320.00	46	1410.00	45	1630.00	44	2160.00	41
1945	221.00	13	339.00	13	500.00	18	622.00	24	800.00	31	1020.00	32	1100.00	25	1250.00	29	1790.00	34
1946	322.00	24	542.00	33	642.00	34	734.00	36	769.00	28	1010.00	29	1540.00	48	2000.00	50	2550.00	49
1947	226.00	14	562.00	36	693.00	40	721.00	34	819.00	33	1110.00	39	1100.00	26	1270.00	30	1730.00	29
1948	196.00	10	313.00	9	503.00	19	549.00	14	609.00	8	784.00	13	827.00	9	829.00	3	856.00	1
1949	268.00	18	407.00	16	421.00	8	559.00	15	631.00	10	749.00	8	777.00	4	790.00	2	1290.00	11
1950	146.00	4	292.00	7	446.00	11	470.00	6	551.00	5	711.00	4	820.00	8	877.00	6	1150.00	6
1951	306.00	22	508.00	28	629.00	33	755.00	40	820.00	34	1130.00	40	1160.00	33	1230.00	25	1510.00	23
1952	275.00	19	512.00	30	787.00	46	866.00	45	903.00	43	974.00	26	1100.00	27	1180.00	22	1540.00	24
1953	322.00	25	511.00	29	592.00	29	639.00	28	712.00	17	719.00	6	805.00	6	858.00	5	1040.00	3
1954	366.00	32	573.00	37	620.00	31	627.00	25	721.00	22	751.00	9	809.00	7	854.00	4	972.00	2
1955	632.00	48	1020.00	51	1190.00	51	1250.00	51	1360.00	51	1860.00	52	2300.00	52	2480.00	52	2960.00	52
1956	140.00	3	288.00	6	428.00	9	490.00	8	563.00	6	943.00	22	1090.00	23	1050.00	16	1250.00	8
1957	570.00	46	677.00	46	795.00	47	829.00	44	868.00	40	1090.00	36	1180.00	36	1330.00	34	1560.00	25
1958	154.00	7	165.00	1	265.00	1	431.00	5	638.00	11	803.00	14	1090.00	24	1310.00	33	1660.00	27
1959	622.00	47	820.00	49	871.00	48	888.00	46	1030.00	46	1370.00	48	1350.00	43	1490.00	40	1960.00	37
1960	431.00	37	528.00	31	601.00	30	647.00	29	717.00	18	941.00	21	964.00	18	1370.00	36	2060.00	39
1961	351.00	28	465.00	22	536.00	25	563.00	17	718.00	19	865.00	19	919.00	14	1040.00	14	1350.00	13
1962	408.00	35	600.00	41	679.00	38	736.00	37	822.00	36	962.00	24	1050.00	20	1170.00	21	1380.00	17
1963	217.00	12	251.00	5	312.00	3	481.00	7	742.00	25	1100.00	37	1400.00	44	1660.00	45	2370.00	48
1964	433.00	38	542.00	32	687.00	39	761.00	41	859.00	39	1040.00	33	1310.00	39	1480.00	38	1780.00	32
1965	456.00	40	482.00	24	522.00	20	563.00	18	703.00	16	817.00	16	1010.00	19	1060.00	17	1220.00	7
1966	155.00	8	316.00	10	406.00	7	511.00	10	674.00	14	960.00	23	1110.00	28	1280.00	32	1930.00	36

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STATION NUMBER 01131500

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
CONNECTICUT RIVER NEAR DALTON, NH

YEAR	1		3		7		14		30		60		90		120		183	
1967	351,00	29	489,00	25	526,00	21	637,00	27	886,00	42	1020,00	30	1120,00	29	1230,00	23	1410,00	18
1968	671,00	49	900,00	50	950,00	49	1100,00	49	1390,00	52	1440,00	50	1510,00	46	1620,00	43	1790,00	33
1969	552,00	45	561,00	35	569,00	28	581,00	21	720,00	21	778,00	12	905,00	13	1010,00	12	1350,00	14
1970	688,00	50	691,00	47	752,00	43	817,00	43	956,00	44	1390,00	49	1670,00	50	1830,00	49	2350,00	46
1971	277,00	20	422,00	18	485,00	16	576,00	19	742,00	26	844,00	17	958,00	17	1110,00	19	1490,00	22
1972	150,00	6	427,00	19	559,00	27	671,00	32	748,00	27	972,00	25	1080,00	22	1140,00	20	1270,00	9
1973	520,00	44	586,00	38	654,00	37	666,00	31	815,00	32	990,00	28	1170,00	34	1340,00	35	1760,00	31
1974	738,00	51	778,00	48	1010,00	50	1130,00	50	1230,00	49	1310,00	45	1850,00	51	2070,00	51	2920,00	51
1975	484,00	43	553,00	34	628,00	32	722,00	35	876,00	41	1040,00	34	1290,00	38	1420,00	37	1750,00	30
1976	136,00	2	221,00	3	334,00	4	415,00	3	529,00	4	761,00	10	850,00	11	1230,00	24	2170,00	42
1977	977,00	52	1160,00	52	1230,00	52	1260,00	52	1290,00	50	1350,00	47	1520,00	47	1730,00	47	2260,00	44
1978	478,00	41	480,00	23	494,00	17	511,00	11	685,00	15	1580,00	51	1550,00	49	1790,00	46	2800,00	50
1979	339,00	26	501,00	26	554,00	26	584,00	22	718,00	20	771,00	11	847,00	10	1040,00	13	1060,00	5

STATION NUMBER 01131500

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
CONNECTICUT RIVER NEAR DALTON, NH

NUMBER OF DAYS IN CLASS

CLASS / YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32
1968										7	8	17	11	10	10	57	104	31	21	22	17	7	8	9	8	5	9	4	1				
1969										1	11	7	15	24	28	87	63	22	27	14	6	4	6	9	4	6	5	13	4	6	1	2	
1970						1		2	3	5	21	21	21	26	13	25	54	37	33	26	13	13	15	7	6	2	6	6	3	2	4		
1971			1				1			5	9	15	26	24	43	71	64	16	17	16	8	8	5	7	6	3	6	11	3				
1972										1	4	8	14	51	56	55	40	35	20	20	15	10	3	4	6	6	6	3	2	2	3	2	
1973										2	6	8	14	24	28	20	23	47	29	35	31	29	18	16	12	9	8	2	2	2			
1974									1	3	6	12	8	7	19	26	35	51	42	26	26	20	13	16	16	10	11	10	2	2	3		
1975		1			3		2	3	11	10	9	11	14	18	41	50	52	57	13	14	6	14	6	9	6	7	5	2	1				
1976													1	12	33	27	48	36	29	46	41	24	22	13	11	8	1	5	4	3	2		
1977									3	12	5	7	2	16	55	65	31	27	21	24	31	17	8	6	11	7	8	6	3				
1978							1		1	7	11	25	19	16	20	18	31	19	35	26	31	20	24	19	14	7	12	5	3	1			
1979								2	7	9	22	24	28	44	35	56	21	9	13	12	13	11	18	13	10	5	4	6	1	2			

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERC
0	0.00	0	18993	100.0	12	830.0	1196	16694	87.9	24	7200	432	1565	8.
1	115.00	2	18993	100.0	13	1000.0	1492	15498	81.6	25	8700	291	1133	5.
2	140.00	7	18991	100.0	14	1200.0	1578	14006	73.7	26	10000	292	842	4.
3	160.00	14	18984	100.0	15	1400.0	2114	12428	65.4	27	12000	250	550	2.
4	200.00	26	18970	99.9	16	1700.0	2217	10314	54.3	28	15000	143	300	1.
5	240.00	21	18944	99.7	17	2100.0	1664	8097	42.6	29	18000	75	157	.
6	280.00	56	18923	99.6	18	2500.0	1148	6433	33.9	30	21000	47	82	.
7	340.00	103	18867	99.3	19	2900.0	1090	5285	27.8	31	26000	24	35	.
8	410.00	192	18764	98.8	20	3500.0	842	4195	22.1	32	31000	7	11	.
9	490.00	344	18572	97.8	21	4200.0	707	3353	17.7	33	37000	3	4	
10	580.00	623	18228	96.0	22	5000.0	595	2646	13.9	34	44000	1	1	
11	700.00	911	17605	92.7	23	6000.0	486	2051	10.8					

VALUE EXCEEDED "P" PERCENT OF TIME

V95 = 620.00
V90 = 770.00
V75 = 1200.00
V70 = 1300.00
V50 = 1800.00
V25 = 3200.00
V10 = 6400.00

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
EAST BRANCH PASSUMPSIC RIVER NEAR EAST HAVEN, VT

YEAR	1		3		7		14		30		60		90		120		183	
1941	19.00	12	20.00	12	25.00	22	28.00	23	32.00	20	39.00	17	46.00	21	48.00	17	64.00	21
1942	17.00	9	17.00	6	19.00	7	21.00	7	31.00	16	33.00	10	38.00	9	39.00	5	56.00	13
1943	16.00	5	17.00	7	18.00	5	20.00	4	25.00	2	28.00	1	34.00	3	40.00	6	51.00	8
1944	22.00	22	22.00	17	22.00	11	24.00	13	25.00	3	29.00	2	33.00	1	40.00	7	59.00	16
1945	18.00	10	19.00	10	21.00	10	23.00	10	28.00	10	39.00	18	43.00	18	53.00	21	62.00	19
1950	15.00	4	15.00	3	17.00	4	20.00	5	25.00	4	29.00	3	35.00	4	37.00	3	51.00	9
1951	24.00	25	25.00	26	26.00	23	31.00	25	45.00	33	55.00	33	57.00	30	60.00	28	71.00	24
1952	21.00	18	22.00	18	24.00	17	26.00	19	29.00	12	31.00	6	35.00	5	43.00	10	58.00	14
1953	21.00	19	22.00	19	26.00	24	27.00	22	31.00	17	35.00	13	39.00	10	46.00	15	54.00	11
1954	13.00	1	13.00	1	14.00	1	18.00	1	28.00	11	31.00	7	35.00	6	35.00	1	39.00	1
1955	26.00	27	27.00	27	30.00	28	37.00	33	42.00	31	49.00	29	58.00	31	67.00	31	93.00	31
1956	14.00	3	15.00	4	16.00	3	19.00	3	26.00	5	32.00	8	40.00	12	40.00	8	48.00	5
1957	20.00	13	21.00	13	23.00	12	25.00	14	31.00	18	43.00	24	54.00	26	55.00	22	59.00	15
1958	21.00	20	21.00	14	23.00	13	23.00	11	26.00	6	32.00	9	40.00	13	45.00	14	60.00	17
1959	23.00	23	23.00	22	24.00	18	26.00	20	30.00	13	44.00	25	49.00	23	51.00	19	66.00	22
1960	20.00	14	21.00	15	25.00	19	27.00	21	33.00	21	48.00	28	46.00	22	56.00	23	85.00	28
1961	17.00	6	18.00	8	20.00	8	21.00	6	24.00	1	34.00	11	40.00	14	48.00	18	54.00	12
1962	24.00	26	24.00	23	25.00	20	25.00	15	26.00	7	29.00	4	33.00	2	39.00	4	40.00	2
1963	23.00	24	24.00	24	27.00	26	34.00	29	35.00	26	37.00	14	41.00	15	47.00	16	80.00	27
1964	30.00	31	31.00	31	31.00	31	32.00	26	37.00	27	41.00	21	55.00	27	53.00	20	67.00	23
1965	21.00	15	22.00	20	23.00	14	26.00	16	31.00	14	41.00	22	42.00	16	44.00	12	51.00	6
1966	22.00	21	24.00	25	26.00	25	32.00	27	34.00	22	50.00	30	60.00	32	75.00	33	90.00	30
1967	21.00	16	22.00	21	24.00	15	24.00	12	34.00	23	38.00	15	39.00	11	43.00	11	53.00	10
1968	27.00	28	28.00	29	30.00	29	36.00	31	43.00	32	47.00	27	55.00	28	60.00	29	64.00	20
1969	21.00	17	21.00	16	25.00	21	26.00	17	31.00	15	34.00	12	35.00	7	41.00	9	46.00	4
1970	33.00	34	33.00	33	34.00	32	35.00	30	38.00	29	45.00	26	52.00	25	59.00	26	72.00	25
1971	17.00	7	17.00	5	19.00	6	22.00	8	34.00	24	40.00	19	42.00	17	45.00	13	51.00	7
1973	30.00	32	30.00	30	30.00	30	32.00	28	37.00	28	51.00	31	60.00	33	70.00	32	78.00	26
1974	32.00	33	34.00	34	41.00	34	45.00	34	59.00	34	75.00	34	96.00	34	99.00	34	129.00	34
1975	27.00	29	27.00	28	29.00	27	30.00	24	34.00	25	41.00	20	45.00	19	58.00	24	60.00	18
1976	13.00	2	14.00	2	15.00	2	18.00	2	26.00	8	39.00	16	45.00	20	60.00	27	97.00	33
1977	29.00	30	32.00	32	37.00	33	37.00	32	39.00	30	43.00	23	51.00	24	59.00	25	88.00	29
1978	19.00	11	20.00	11	24.00	16	26.00	18	32.00	19	53.00	32	55.00	29	67.00	30	96.00	32
1979	17.00	8	19.00	9	21.00	9	23.00	9	28.00	9	30.00	5	36.00	8	36.00	2	41.00	3

B-905

STATION NUMBER 01133000

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
EAST BRANCH PASSUMPSIC RIVER NEAR EAST HAVEN, VT

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	13148	100.0	12	63.0	962	6562	49.9	24	360	159	596	4.5
1	13.00	7	13148	100.0	13	73.0	780	5600	42.6	25	410	135	437	3.3
2	15.00	42	13141	99.9	14	84.0	734	4820	36.7	26	470	96	302	2.2
3	17.00	104	13099	99.6	15	97.0	527	4086	31.1	27	550	84	206	1.5
4	20.00	178	12995	98.8	16	110.0	662	3559	27.1	28	630	49	122	.9
5	23.00	446	12817	97.5	17	130.0	463	2897	22.0	29	730	28	73	.5
6	27.00	598	12371	94.1	18	150.0	372	2434	18.5	30	840	22	45	.3
7	31.00	861	11773	89.5	19	170.0	388	2062	15.7	31	970	12	23	.1
8	36.00	1013	10912	83.0	20	200.0	327	1674	12.7	32	1100	7	11	
9	41.00	1087	9899	75.3	21	230.0	310	1347	10.2	33	1300	2	4	
10	47.00	1224	8812	67.0	22	270.0	223	1037	7.9	34	1500	2	2	
11	55.00	1026	7588	57.7	23	310.0	218	814	6.2					

VALUE EXCEEDED "P" PERCENT OF TIME

V95 =	26.00	.4833
V90 =	31.00	.5762
V75 =	41.00	.7621
V70 =	45.00	.8364
V50 =	63.00	1.1710
V25 =	120.00	2.2305
V10 =	230.00	4.2751

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DISCHARGE IN CUBIC FEET PER SECOND
MEAN
MOOSE RIVER AT VICTORY, VT

YEAR	1		3		7		14		30		60		90		120		183	
1948	7.80	14	7.90	11	8.30	10	9.00	10	11.00	6	13.00	1	17.00	1	19.00	1	19.00	1
1949	3.70	3	3.80	2	4.30	1	5.00	1	8.30	1	13.00	2	23.00	4	26.00	2	60.00	15
1950	4.20	4	4.50	4	5.80	4	6.30	2	11.00	7	16.00	5	23.00	5	33.00	10	53.00	11
1951	12.00	26	13.00	26	14.00	26	21.00	28	37.00	30	46.00	29	49.00	26	54.00	22	78.00	20
1952	16.00	31	17.00	30	19.00	29	24.00	29	35.00	29	44.00	27	51.00	27	61.00	27	81.00	22
1953	6.00	8	6.40	8	7.10	8	8.20	7	10.00	3	13.00	3	17.00	2	29.00	5	47.00	7
1954	5.30	6	5.60	6	6.60	7	8.00	6	17.00	13	23.00	10	26.00	11	30.00	6	34.00	2
1955	12.00	27	13.00	27	14.00	27	30.00	31	41.00	31	48.00	30	75.00	31	86.00	31	115.00	30
1956	4.80	5	5.00	5	5.90	5	8.60	8	11.00	4	18.00	8	27.00	12	27.00	4	42.00	6
1957	8.60	20	8.80	19	10.00	17	10.00	12	18.00	14	33.00	22	44.00	23	60.00	26	78.00	21
1958	7.40	12	8.10	12	8.50	11	9.70	11	11.00	5	17.00	6	25.00	9	43.00	16	66.00	17
1959	13.00	28	13.00	28	14.00	28	19.00	26	28.00	26	46.00	28	59.00	28	59.00	24	82.00	23
1960	6.30	9	6.40	9	7.30	9	8.70	9	16.00	12	23.00	11	23.00	6	41.00	14	87.00	24
1961	5.50	7	5.90	7	6.30	6	6.90	3	9.20	2	17.00	7	25.00	7	35.00	11	54.00	12
1962	8.40	19	8.50	17	9.00	13	11.00	13	14.00	8	16.00	4	19.00	3	26.00	3	34.00	3
1963	7.80	13	8.60	18	10.00	18	17.00	24	26.00	24	27.00	18	31.00	16	41.00	15	99.00	27
1964	6.80	10	8.10	13	10.00	19	12.00	16	18.00	15	23.00	12	41.00	18	38.00	12	56.00	13
1965	11.00	25	12.00	25	12.00	25	14.00	18	21.00	20	38.00	23	45.00	24	44.00	17	58.00	14
1966	9.70	24	10.00	23	11.00	20	15.00	22	31.00	28	48.00	31	62.00	30	75.00	29	104.00	28
1967	8.10	16	8.40	15	9.20	14	11.00	14	20.00	17	24.00	13	27.00	13	31.00	7	52.00	10
1968	8.20	18	8.40	16	10.00	15	17.00	23	25.00	22	26.00	17	42.00	21	48.00	20	61.00	16
1969	7.20	11	7.40	10	8.80	12	11.00	15	20.00	18	24.00	14	26.00	10	31.00	8	49.00	9
1970	15.00	29	17.00	29	23.00	31	25.00	30	29.00	27	39.00	26	60.00	29	76.00	30	93.00	26
1971	3.60	2	4.10	3	5.20	3	7.20	5	14.00	9	19.00	9	25.00	8	31.00	9	40.00	4
1972	9.20	22	10.00	24	11.00	21	18.00	25	26.00	25	38.00	24	44.00	22	45.00	18	48.00	8
1973	9.50	23	9.80	21	11.00	22	14.00	19	18.00	16	32.00	21	41.00	19	59.00	25	75.00	19
1974	21.00	32	23.00	32	30.00	32	37.00	32	57.00	32	61.00	32	87.00	32	102.00	32	168.00	32
1975	8.10	17	8.30	14	10.00	16	15.00	20	25.00	23	31.00	20	46.00	25	53.00	21	72.00	18
1976	2.80	1	3.50	1	4.30	2	6.90	4	14.00	10	25.00	15	28.00	14	47.00	19	89.00	25
1977	16.00	30	19.00	31	20.00	30	21.00	27	24.00	21	28.00	19	35.00	17	55.00	23	109.00	29
1978	9.10	21	9.90	22	11.00	23	13.00	17	16.00	11	38.00	25	42.00	20	69.00	28	126.00	31
1979	8.00	15	9.10	20	12.00	24	15.00	21	21.00	19	25.00	16	29.00	15	38.00	13	40.00	5

STATION NUMBER 01134500

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STATION NUMBER 01134500

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
MOOSE RIVER AT VICTORY, VT

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	11688	100.0	12	27.0	695	9644	82.5	24	320	342	1335	11.4
1	2.70	1	11688	100.0	13	33.0	1003	8949	76.6	25	400	276	993	8.4
2	3.40	6	11687	100.0	14	41.0	927	7946	68.0	26	490	216	717	6.1
3	4.20	21	11681	99.9	15	50.0	949	7019	60.1	27	600	178	501	4.2
4	5.20	28	11660	99.8	16	62.0	899	6070	51.9	28	740	124	323	2.7
5	6.40	60	11632	99.5	17	76.0	815	5171	44.2	29	910	76	199	1.7
6	7.90	166	11572	99.0	18	93.0	586	4356	37.3	30	1100	67	123	1.0
7	9.70	167	11406	97.6	19	110.0	684	3770	32.3	31	1400	29	56	.4
8	12.00	330	11239	96.2	20	140.0	487	3086	26.4	32	1700	15	27	.2
9	15.00	298	10909	93.3	21	170.0	491	2599	22.2	33	2100	7	12	.1
10	18.00	370	10611	90.8	22	210.0	408	2108	18.0	34	2500	5	5	
11	22.00	597	10241	87.6	23	260.0	365	1700	14.5					

VALUE EXCEEDED "P" PERCENT OF TIME

V95 =	13.00	0.173
V90 =	19.00	0.253
V75 =	34.00	0.452
V70 =	39.00	0.519
V50 =	66.00	0.878
V25 =	150.00	1.995
V10 =	360.00	4.79

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DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
MOOSE RIVER AT ST. JOHNSBURY, VT

YEAR	1	3	7	14	30	60	90	120	183
1930	10.00 15	10.00 12	11.00 11	15.00 16	26.00 22	28.00 12	33.00 11	39.00 6	58.00 6
1931	13.00 26	14.00 27	14.00 18	18.00 22	27.00 24	39.00 23	41.00 18	49.00 16	54.00 4
1932	17.00 33	17.00 33	20.00 37	25.00 35	30.00 27	49.00 31	56.00 28	77.00 33	117.00 33
1933	20.00 45	21.00 43	25.00 44	34.00 45	40.00 40	51.00 33	65.00 38	75.00 32	137.00 40
1934	13.00 27	15.00 28	17.00 28	18.00 23	24.00 17	30.00 17	50.00 26	56.00 21	67.00 10
1935	8.00 4	8.70 5	9.00 2	11.00 4	15.00 4	21.00 6	28.00 6	32.00 2	54.00 5
1936	20.00 46	21.00 44	23.00 43	24.00 31	32.00 31	54.00 38	56.00 29	61.00 26	116.00 32
1937	8.60 7	9.30 8	11.00 12	12.00 7	16.00 6	23.00 8	30.00 7	35.00 3	98.00 25
1938	9.80 11	9.90 11	10.00 8	12.00 8	22.00 15	29.00 13	33.00 8	49.00 17	90.00 22
1939	25.00 47	29.00 48	39.00 49	41.00 48	56.00 48	79.00 49	86.00 46	104.00 45	147.00 42
1940	17.00 34	17.00 34	17.00 29	18.00 24	19.00 11	20.00 1	25.00 1	49.00 18	93.00 23
1941	19.00 42	20.00 40	26.00 45	34.00 46	37.00 35	56.00 39	76.00 41	83.00 39	137.00 41
1942	17.00 35	18.00 36	21.00 39	27.00 39	40.00 41	53.00 36	72.00 40	71.00 31	101.00 26
1943	9.20 10	9.40 9	9.80 6	11.00 5	15.00 5	20.00 2	27.00 4	44.00 9	86.00 20
1944	28.00 49	28.00 47	28.00 46	30.00 43	33.00 32	39.00 24	43.00 22	58.00 23	122.00 35
1945	17.00 36	19.00 37	19.00 32	23.00 30	43.00 45	66.00 47	81.00 44	88.00 42	131.00 38
1946	19.00 43	21.00 45	22.00 40	26.00 36	34.00 33	58.00 42	95.00 48	136.00 49	194.00 49
1947	12.00 18	12.00 16	16.00 25	19.00 25	31.00 28	59.00 44	63.00 36	78.00 34	129.00 37
1948	13.00 28	13.00 20	14.00 19	15.00 17	18.00 9	21.00 3	26.00 2	29.00 1	30.00 1
1949	6.40 1	6.60 1	7.40 1	9.00 1	14.00 1	21.00 4	33.00 9	37.00 4	90.00 21
1950	6.50 2	6.90 2	9.20 3	12.00 6	17.00 7	25.00 9	33.00 10	46.00 13	70.00 11
1951	18.00 39	19.00 38	20.00 38	28.00 41	46.00 47	58.00 43	60.00 33	68.00 30	101.00 27
1952	19.00 40	20.00 41	23.00 41	29.00 42	45.00 46	56.00 40	67.00 39	84.00 40	113.00 31
1953	10.00 12	11.00 13	12.00 13	14.00 12	17.00 8	21.00 5	28.00 5	45.00 11	71.00 13
1954	7.30 3	7.90 3	10.00 7	13.00 9	26.00 23	36.00 20	39.00 16	44.00 10	52.00 2
1955	19.00 41	21.00 42	23.00 42	43.00 49	58.00 49	70.00 48	118.00 49	133.00 48	182.00 48
1956	8.80 9	9.80 10	11.00 9	15.00 13	19.00 10	29.00 14	41.00 19	41.00 7	60.00 7
1957	15.00 29	16.00 29	19.00 33	19.00 26	28.00 25	51.00 34	65.00 37	65.00 41	109.00 29
1958	12.00 19	12.00 17	12.00 14	14.00 10	15.00 2	25.00 10	37.00 13	62.00 27	93.00 24
1959	17.00 37	17.00 35	18.00 30	27.00 40	38.00 36	60.00 45	79.00 42	81.00 38	109.00 30
1960	8.70 8	9.00 6	9.50 4	11.00 2	21.00 14	32.00 18	36.00 12	61.00 24	126.00 36
1961	8.50 6	9.00 7	9.80 5	11.00 3	15.00 3	27.00 11	38.00 14	51.00 19	80.00 18
1962	11.00 16	11.00 14	12.00 15	15.00 14	20.00 12	22.00 7	26.00 3	37.00 5	52.00 3
1963	13.00 20	13.00 21	17.00 26	25.00 32	40.00 42	41.00 28	47.00 24	67.00 28	176.00 47
1964	10.00 13	12.00 18	14.00 20	16.00 18	24.00 18	30.00 15	52.00 27	49.00 14	74.00 14
1965	13.00 21	14.00 22	15.00 21	17.00 19	26.00 19	48.00 29	58.00 30	57.00 22	76.00 17
1966	13.00 22	14.00 23	15.00 22	19.00 27	40.00 43	66.00 46	83.00 45	110.00 46	148.00 43
1967	13.00 23	14.00 24	15.00 23	18.00 20	31.00 29	36.00 21	41.00 20	44.00 8	74.00 15
1968	15.00 30	16.00 30	18.00 31	26.00 37	38.00 37	39.00 25	60.00 34	67.00 29	85.00 19

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STATION NUMBER 01135000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

STATION NUMBER 01135000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
MOOSE RIVER AT ST. JOHNSBURY, VT

YEAR	1		3		7		14		[illegible]		60		90		120		183	
1969	13.00	24	14.00	25	17.00	27	21.00	28	31.00	30	39.00	26	42.00	21	49.00	15	76.00	16
1970	20.00	44	23.00	46	30.00	47	33.00	44	40.00	38	57.00	41	87.00	47	131.00	47	154.00	45
1971	8.20	5	8.70	4	11.00	10	14.00	11	23.00	16	30.00	16	38.00	15	46.00	12	60.00	8
1972	13.00	25	14.00	26	16.00	24	25.00	33	34.00	34	50.00	32	58.00	31	61.00	25	70.00	12
1973	12.00	17	12.00	19	13.00	16	15.00	15	20.00	13	38.00	22	50.00	25	78.00	35	103.00	28
1974	35.00	50	42.00	50	47.00	50	58.00	50	93.00	50	100.00	50	143.00	50	160.00	50	267.00	50
1975	16.00	32	17.00	31	20.00	34	27.00	38	43.00	44	53.00	35	80.00	43	89.00	43	118.00	34
1976	10.00	14	11.00	15	13.00	17	18.00	21	26.00	20	40.00	27	45.00	23	80.00	37	135.00	39
1977	27.00	48	32.00	49	36.00	48	37.00	47	40.00	39	48.00	30	61.00	35	92.00	44	168.00	46
1978	18.00	38	19.00	39	20.00	35	21.00	29	26.00	21	54.00	37	60.00	32	79.00	36	150.00	44
1979	15.00	31	17.00	32	20.00	36	25.00	34	29.00	26	34.00	19	40.00	17	51.00	20	60.00	9

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YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1967						4	10	8	28	54	64	31	21	16	21	23	5	10	3	12	15	18	10	7	3	1	1								
1968					2	7	17	9	12	20	32	34	45	30	17	27	20	24	13	7	10	12	12	6	5	4	1								

STATION NUMBER 01135000

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
MOOSE RIVER AT ST. JOHNSBURY, VT

CLASS / YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
	NUMBER OF DAYS IN CLASS																																		
1969							2	6	17	18	16	28	87	39	24	28	21	12	3	7	10	6	6	10	11	3	1	5	4	1					
1970			3	2	8	8	11	14	26	15	16	6	42	47	30	35	21	15	11	9	10	9	7	5	8	2	2	2		1					
1971					4	8	11	9	15	45	44	50	41	29	13	20	11	10	6	6	6	3	4	2	15	8	5								
1972					9	3	15	6	6	8	29	38	53	37	22	26	19	12	19	7	4	7	7	9	8	4	2	3		5	1	3		2	2
1973							2	1	6	11	17	14	29	44	29	34	16	18	24	30	27	17	15	6	7	10	4	2	1			1			
1974						3	6	7	10	11	6	14	15	31	32	44	28	28	21	13	17	20	16	13	11	7	5	3	1	2	1				
1975				2	3	2	13	8	12	20	12	33	47	48	26	42	20	15	12	12	5	16	15	1	1										
1976								1	1	4	8	29	37	21	23	49	34	21	38	24	19	16	19	11	6	4		1							
1977						2	13	7	16	34	41	40	20	17	18	25	21	19	18	21	11	14	8	7	8	3	2								
1978						3	10	18	20	13	9	12	21	18	29	44	36	25	25	17	10	15	11	22	7										
1979					1	4	12	9	12	25	14	52	54	38	23	19	14	11	11	15	11	12	9	8	5	1	3	1	1						

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	18627	100.0	12	70.0	1769	11865	63.7	24	950	291	802	4.3
1	6.30	11	18627	100.0	13	87.0	1501	10096	54.2	25	1200	223	511	2.7
2	8.00	44	18616	99.9	14	110.0	1079	8595	46.1	26	1500	120	288	1.5
3	9.90	56	18572	99.7	15	130.0	1528	7516	40.4	27	1800	78	168	.9
4	12.00	197	18516	99.4	16	170.0	1032	5988	32.1	28	2300	33	90	.4
5	15.00	362	18319	98.3	17	210.0	862	4956	26.6	29	2800	36	57	.3
6	19.00	625	17957	96.4	18	260.0	693	4094	22.0	30	3500	11	21	.1
7	24.00	554	17332	93.0	19	320.0	645	3401	18.3	31	4300	6	10	
8	29.00	862	16778	90.1	20	400.0	546	2756	14.8	32	5400		4	
9	36.00	1181	15916	85.4	21	490.0	593	2210	11.9	33	6700	2	4	
10	45.00	1318	14735	79.1	22	610.0	458	1617	8.7	34	8300	2	2	
11	56.00	1552	13417	72.0	23	760.0	357	1159	6.2					

VALUE EXCEEDED "P" PERCENT OF TIME

V95 = 21.00 .1641
V90 = 29.00 .2266
V75 = 51.00 .3984
V70 = 59.00 .4609
V50 = 99.00 .7734
V25 = 230.00 1.7969
V10 = 560.00 4.375

STATION NUMBER 01137500

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND

MEAN

AMMONOOSUC RIVER AT BETHLEHEM JUNCTION, NH

YEAR	1		3		7		14		30		60		90		120		183	
1941	41,00	35	42,00	35	43,00	34	45,00	30	48,00	27	71,00	31	79,00	27	92,00	27	134,00	26
1942	37,00	29	37,00	28	37,00	22	39,00	22	41,00	16	48,00	14	70,00	23	79,00	21	90,00	12
1943	28,00	11	28,00	8	30,00	8	32,00	9	37,00	7	40,00	6	49,00	8	72,00	14	109,00	20
1944	38,00	33	38,00	29	39,00	27	40,00	25	44,00	21	48,00	15	52,00	11	62,00	9	152,00	30
1945	37,00	30	38,00	30	41,00	31	47,00	33	54,00	30	72,00	32	92,00	34	107,00	31	116,00	23
1946	40,00	34	40,00	34	43,00	35	49,00	34	61,00	34	75,00	35	97,00	35	137,00	37	158,00	31
1947	34,00	22	36,00	26	40,00	28	45,00	31	65,00	35	116,00	39	120,00	39	137,00	38	158,00	32
1948	25,00	6	26,00	6	26,00	3	27,00	3	28,00	1	33,00	1	36,00	1	39,00	1	44,00	1
1949	24,00	5	25,00	5	26,00	4	29,00	4	32,00	4	42,00	9	47,00	6	52,00	7	95,00	14
1950	29,00	15	30,00	13	32,00	16	37,00	16	44,00	22	56,00	21	73,00	24	86,00	26	106,00	16
1951	32,00	18	33,00	18	34,00	18	38,00	18	44,00	23	59,00	26	67,00	21	72,00	15	111,00	21
1952	64,00	39	66,00	39	66,00	39	67,00	39	73,00	38	92,00	36	109,00	36	132,00	36	168,00	35
1953	28,00	12	29,00	9	30,00	9	33,00	10	37,00	8	39,00	3	45,00	3	46,00	3	75,00	6
1954	29,00	13	30,00	14	31,00	13	34,00	13	40,00	11	46,00	12	50,00	9	51,00	4	65,00	4
1955	57,00	38	58,00	38	59,00	38	63,00	38	74,00	39	94,00	37	117,00	38	141,00	39	181,00	39
1956	33,00	19	35,00	22	37,00	23	41,00	26	44,00	24	58,00	22	79,00	28	82,00	22	88,00	10
1957	44,00	36	46,00	36	50,00	36	51,00	35	58,00	32	96,00	38	109,00	37	111,00	32	115,00	22
1958	26,00	7	27,00	7	28,00	5	30,00	5	32,00	5	42,00	10	56,00	14	77,00	19	107,00	17
1959	34,00	23	35,00	23	36,00	20	39,00	23	45,00	25	64,00	27	77,00	25	84,00	23	90,00	11
1960	28,00	8	29,00	10	30,00	10	32,00	6	40,00	12	49,00	16	52,00	10	66,00	11	158,00	33
1961	23,00	2	23,00	1	25,00	2	25,00	1	30,00	2	40,00	4	58,00	17	67,00	12	91,00	13
1962	23,00	3	23,00	2	24,00	1	27,00	2	32,00	3	34,00	2	38,00	2	45,00	2	61,00	3
1963	35,00	24	36,00	24	37,00	24	38,00	19	38,00	9	41,00	7	49,00	7	76,00	18	163,00	34
1964	30,00	16	31,00	16	32,00	14	34,00	14	40,00	13	41,00	8	57,00	15	59,00	8	132,00	25
1965	33,00	20	34,00	19	36,00	21	39,00	20	43,00	20	58,00	23	58,00	16	68,00	13	86,00	9
1966	30,00	17	31,00	17	33,00	17	37,00	17	54,00	31	67,00	28	81,00	29	99,00	29	128,00	24
1967	34,00	21	35,00	20	35,00	19	39,00	21	42,00	17	48,00	13	53,00	12	73,00	16	109,00	18
1968	28,00	9	29,00	11	32,00	15	34,00	15	40,00	14	49,00	17	59,00	18	85,00	24	109,00	19
1969	21,00	1	24,00	3	28,00	6	32,00	7	41,00	15	44,00	11	47,00	4	51,00	5	70,00	5
1970	38,00	31	39,00	33	40,00	29	41,00	27	46,00	26	58,00	24	86,00	30	124,00	35	179,00	37
1971	24,00	4	25,00	4	28,00	7	32,00	8	42,00	18	53,00	20	55,00	13	63,00	10	85,00	8
1972	36,00	27	37,00	27	42,00	33	51,00	36	65,00	36	74,00	34	78,00	26	78,00	20	83,00	7
1973	29,00	14	30,00	15	31,00	11	33,00	11	39,00	10	51,00	18	63,00	19	75,00	17	105,00	15
1974	37,00	28	38,00	31	41,00	32	46,00	32	50,00	28	58,00	25	63,00	20	86,00	25	160,00	38
1975	49,00	37	51,00	37	54,00	37	56,00	37	66,00	37	73,00	33	88,00	31	120,00	33	142,00	28
1976	35,00	25	35,00	21	38,00	25	41,00	28	51,00	29	67,00	29	89,00	33	103,00	30	141,00	27
1977	38,00	32	39,00	32	40,00	30	40,00	24	43,00	19	52,00	19	70,00	22	97,00	28	147,00	29
1978	36,00	26	36,00	25	38,00	26	42,00	29	60,00	33	67,00	30	88,00	32	123,00	34	175,00	36
1979	28,00	10	29,00	12	31,00	12	33,00	12	36,00	6	40,00	5	47,00	5	52,00	6	57,00	2

0.35383

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STATION NUMBER 01137500

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
AMMONOOSUC RIVER AT BETHLEHEM JUNCTION, NH

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	14244	100.0	12	130.0	1074	5910	41.5	24	990	138	403	2.8
1	21.00	13	14244	100.0	13	160.0	731	4836	34.0	25	1200	85	265	1.8
2	25.00	76	14231	99.9	14	190.0	529	4105	28.8	26	1400	45	180	1.2
3	29.00	407	14155	99.4	15	220.0	556	3576	25.1	27	1600	46	135	.9
4	35.00	620	13748	96.5	16	260.0	526	3020	21.2	28	1900	51	89	.6
5	41.00	836	13128	92.2	17	310.0	417	2494	17.5	29	2300	20	38	.2
6	49.00	993	12292	86.3	18	360.0	429	2077	14.6	30	2700	5	18	.1
7	57.00	1194	11299	79.3	19	430.0	384	1648	11.6	31	3200	8	13	
8	68.00	1141	10105	70.9	20	510.0	274	1264	8.9	32	3800	1	5	
9	80.00	1137	8964	62.9	21	600.0	255	990	7.0	33	4500	3	4	
10	95.00	958	7827	54.9	22	710.0	197	735	5.2	34	5300	1	1	
11	110.00	959	6869	48.2	23	840.0	135	538	3.8					

VALUE EXCEEDED 'P' PERCENT OF TIME

V95 = 37.00 .4224
V90 = 44.00 .5023
V75 = 63.00 .7192
V70 = 69.00 .7877
V50 = 110.00 1.256
V25 = 220.00 2.511
V10 = 480.00 5.479

B-113

STATION NUMBER 01138000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
AMMONOOSUC RIVER NEAR BATH, NH

YEAR	1		3		7		14		30		60		90		120		183	
1937	58.00	11	61.00	5	71.00	10	79.00	11	87.00	8	117.00	10	138.00	10	160.00	10	321.00	22
1938	50.00	5	77.00	19	85.00	21	94.00	22	128.00	28	151.00	23	165.00	17	264.00	28	402.00	28
1939	118.00	40	129.00	39	156.00	39	206.00	40	242.00	41	286.00	39	312.00	37	357.00	39	596.00	41
1940	48.00	3	58.00	4	73.00	11	78.00	10	80.00	3	82.00	1	87.00	1	145.00	8	227.00	10
1941	79.00	27	87.00	29	95.00	27	110.00	30	141.00	31	212.00	36	257.00	35	292.00	33	442.00	30
1942	75.00	24	101.00	35	105.00	33	114.00	32	124.00	27	150.00	21	230.00	34	251.00	26	275.00	17
1943	52.00	7	63.00	8	67.00	4	71.00	3	89.00	9	97.00	4	128.00	7	194.00	14	348.00	26
1944	135.00	41	145.00	40	161.00	40	167.00	39	177.00	38	181.00	32	192.00	26	239.00	25	468.00	33
1945	71.00	21	78.00	20	85.00	22	97.00	24	115.00	24	168.00	31	212.00	29	278.00	31	323.00	23
1946	85.00	33	98.00	34	106.00	35	120.00	33	169.00	35	243.00	37	332.00	39	463.00	42	618.00	42
1947	90.00	35	95.00	32	105.00	34	136.00	37	195.00	39	336.00	42	362.00	41	414.00	40	499.00	37
1948	60.00	12	68.00	16	74.00	14	76.00	8	86.00	6	91.00	2	108.00	2	120.00	1	126.00	1
1949	50.00	4	65.00	11	70.00	8	73.00	5	78.00	2	97.00	5	115.00	4	128.00	4	258.00	15
1950	57.00	9	62.00	6	74.00	15	80.00	12	98.00	11	119.00	13	156.00	15	197.00	16	261.00	16
1951	68.00	18	78.00	21	81.00	19	101.00	27	121.00	25	153.00	25	178.00	21	197.00	17	305.00	20
1952	157.00	43	167.00	43	189.00	43	213.00	41	233.00	40	293.00	40	318.00	38	336.00	38	451.00	31
1953	69.00	19	74.00	18	77.00	18	87.00	18	104.00	16	110.00	8	128.00	8	139.00	7	224.00	7
1954	61.00	13	67.00	12	71.00	9	84.00	16	99.00	12	118.00	11	130.00	9	133.00	6	175.00	3
1955	114.00	39	154.00	41	171.00	41	231.00	42	271.00	42	345.00	43	424.00	43	506.00	43	591.00	40
1956	85.00	34	89.00	30	95.00	28	102.00	28	111.00	21	151.00	22	216.00	30	233.00	23	246.00	11
1957	113.00	38	119.00	38	128.00	38	132.00	35	152.00	33	279.00	38	339.00	40	327.00	36	346.00	25
1958	35.00	1	42.00	1	55.00	1	63.00	1	64.00	1	118.00	12	151.00	13	204.00	20	305.00	21
1959	80.00	28	81.00	25	85.00	23	93.00	21	108.00	19	162.00	29	183.00	22	198.00	18	222.00	6
1960	84.00	31	93.00	31	97.00	30	99.00	25	111.00	20	126.00	14	139.00	11	187.00	13	406.00	29
1961	63.00	14	63.00	9	68.00	5	70.00	2	81.00	4	131.00	16	175.00	19	195.00	15	254.00	14
1962	58.00	10	63.00	10	69.00	6	75.00	6	83.00	5	97.00	6	112.00	3	130.00	5	200.00	4
1963	83.00	29	85.00	27	89.00	26	113.00	31	139.00	30	154.00	26	177.00	20	271.00	29	560.00	39
1964	70.00	20	73.00	17	75.00	16	78.00	9	100.00	13	113.00	9	149.00	12	157.00	9	290.00	19
1965	78.00	26	80.00	22	82.00	20	90.00	19	102.00	14	144.00	18	152.00	14	175.00	11	225.00	8
1966	65.00	15	68.00	13	76.00	17	87.00	17	134.00	29	165.00	30	184.00	25	275.00	30	342.00	24
1967	74.00	23	80.00	23	87.00	24	91.00	20	114.00	22	141.00	17	158.00	16	175.00	12	246.00	12
1968	72.00	22	85.00	28	97.00	31	108.00	29	121.00	26	147.00	20	183.00	23	228.00	22	289.00	18
1969	52.00	8	57.00	3	69.00	7	80.00	13	96.00	10	110.00	7	116.00	5	127.00	3	220.00	5
1970	85.00	32	103.00	36	117.00	36	135.00	36	163.00	34	210.00	35	283.00	36	333.00	37	496.00	36
1971	51.00	6	53.00	2	61.00	2	72.00	4	102.00	15	146.00	19	167.00	18	198.00	19	246.00	13
1972	76.00	25	80.00	24	96.00	29	125.00	34	171.00	36	190.00	33	216.00	31	218.00	21	227.00	9
1973	83.00	30	84.00	26	89.00	25	95.00	23	114.00	23	158.00	27	194.00	28	238.00	24	364.00	27
1974	109.00	37	112.00	37	120.00	37	141.00	38	172.00	37	210.00	34	229.00	33	287.00	32	641.00	43
1975	152.00	42	159.00	42	181.00	42	235.00	43	291.00	43	332.00	41	374.00	42	425.00	41	489.00	35

B-114

STATION NUMBER 01138000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
AMMONOOSUC RIVER NEAR BATH, NH

YEAR	1	3	7	14	30	60	90	120	183
1976	65.00 16	68.00 14	73.00 12	80.00 14	106.00 17	152.00 24	193.00 27	261.00 27	463.00 3
1977	96.00 36	96.00 33	98.00 32	100.00 26	106.00 18	130.00 15	184.00 24	313.00 35	484.00 3
1978	67.00 17	68.00 15	73.00 13	81.00 15	143.00 32	161.00 28	222.00 32	294.00 34	506.00 3
1979	44.00 2	62.90 7	67.00 3	75.00 7	87.00 7	94.00 3	116.00 6	126.00 2	144.00

STATION NUMBER 01138000

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
AMMONOOSUC RIVER NEAR BATH, NH

NUMBER OF DAYS IN CLASS

CLASS	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
YEAR																																			
1976								2	2	10	20	22	32	28	39	40	32	26	22	23	18	12	9	11	11	3	1		3						
1977					4	7	30	24	26	28	17	14	16	18	22	31	23	23	15	17	11	11	7	4	6	2	2	5	1		1				
1978				2	13	9	15	12	8	9	28	29	19	24	24	24	26	27	14	12	15	18	7	12	7	6	5								
1979			2	2	7	30	42	58	50	17	23	10	9	13	10	5	6	10	6	18	12	11	14	2	3		3		1		1				

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	16071	100.0	12	280.0	1113	9313	57.9	24	2600	179	581	3.6
1	35.00	2	16071	100.0	13	330.0	1186	8200	51.0	25	3100	149	402	2.5
2	42.00	8	16069	100.0	14	400.0	1061	7014	43.6	26	3800	107	253	1.5
3	51.00	34	16061	99.9	15	480.0	921	5953	37.0	27	4600	55	146	.9
4	61.00	142	16027	99.7	16	580.0	821	5032	31.3	28	5500	35	91	.5
5	74.00	426	15885	98.8	17	700.0	781	4211	26.2	29	6700	27	56	.3
6	89.00	695	15459	96.2	18	850.0	537	3430	21.3	30	8000	13	29	.1
7	110.00	741	14764	91.9	19	1000.0	580	2893	18.0	31	9700	7	16	
8	130.00	1091	14023	87.3	20	1200.0	628	2313	14.4	32	12000	4	9	
9	160.00	958	12932	80.5	21	1500.0	421	1685	10.5	33	14000	3	5	
10	190.00	1252	11974	74.5	22	1800.0	404	1264	7.9	34	17000	2	2	
11	230.00	1409	10722	66.7	23	2200.0	279	860	5.4					

VALUE EXCEEDED "P" PERCENT OF TIME

V95 =	95.00	0.24
V90 =	120.00	0.304
V75 =	190.00	0.481
V70 =	210.00	0.532
V50 =	340.00	0.861
V25 =	740.00	1.87
V10 =	1600.00	4.05

STATION NUMBER 01141800

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
MINK BROOK NEAR ETNA, NH

YEAR	1		3		7		14		30		60		90		120		183	
1964	0.04	3	0.05	3	0.07	5	0.11	5	0.16	4	0.23	3	0.24	3	0.26	1	0.86	5
1965	0.02	1	0.02	1	0.02	1	0.03	1	0.07	2	0.22	2	0.23	2	0.28	2	0.44	1
1966	0.02	2	0.03	2	0.03	2	0.04	2	0.05	1	0.10	1	0.20	1	0.37	3	0.77	4
1967	0.09	8	0.09	7	0.12	10	0.17	9	0.22	5	0.37	7	0.41	6	0.47	5	1.10	6
1968	0.13	11	0.14	11	0.15	11	0.18	10	0.39	10	0.42	8	0.89	9	1.19	9	2.00	8
1969	0.09	9	0.10	8	0.11	7	0.14	6	0.26	6	0.49	9	0.55	7	0.79	7	2.60	9
1970	0.17	12	0.22	12	0.29	12	0.43	12	0.62	12	0.75	10	2.00	14	2.90	14	4.20	10
1971	0.05	4	0.06	4	0.06	3	0.07	3	0.16	3	0.30	4	0.76	8	1.10	8	1.70	7
1972	0.06	5	0.06	5	0.07	4	0.09	4	0.31	8	0.32	5	0.37	4	0.39	4	0.61	2
1973	0.60	16	0.63	15	0.72	15	0.85	15	0.97	15	1.40	15	2.10	15	3.30	15	4.80	12
1974	0.30	13	0.30	13	0.43	14	0.56	14	0.72	14	1.00	12	1.30	11	1.60	10	5.10	13
1975	0.08	6	0.09	6	0.11	8	0.25	11	0.50	11	1.00	13	1.50	12	2.20	12	4.20	11
1976	0.36	14	0.37	14	0.40	13	0.46	13	0.70	13	1.10	14	1.60	13	2.30	13	6.10	15
1977	0.49	15	0.74	16	1.40	16	1.50	16	1.60	16	1.90	16	2.90	16	5.20	16	8.90	16
1978	0.11	10	0.11	10	0.11	9	0.15	7	0.34	9	0.77	11	1.10	10	1.90	11	5.20	14
1979	0.09	7	0.10	9	0.10	6	0.16	8	0.30	7	0.36	6	0.41	5	0.50	6	0.68	3

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STATION NUMBER 01141800

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
MINK BROOK NEAR ETNA, NH

NUMBER OF DAYS IN CLASS

CLASS / YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1963					3	2	3	41	30	8	13	6	4	14	33	26	24	34	32	14	19	10	8	15	10	10	2	3	1						
1964			5	10	8	9	7	38	30	8	16	12	4	8	36	35	20	10	15	23	22	10	9	11	7	6	2	3	2						
1965			1	9	13	10	6	24	34	18	46	34	13	8	16	35	21	21	16	9	6	9	5	4	3	2	2								
1966							2	19	36	7	14	17	18	21	17	29	27	33	23	22	21	19	17	14	7	1			1						
1967								20	10	17	32	15	17	15	60	43	26	17	14	6	12	7	16	17	8	7	2	2	1		1				
1968							1	23	15	6	13	7	4	14	7	55	42	28	17	14	39	19	23	16	6	6	4	6	1						
1969								4	7	13	31	16	19	5	6	15	51	52	27	24	27	14	13	9	10	6	3	5	1	6	1				
1970					3	11	5	18	11	10	12	9	17	8	19	9	36	39	25	22	26	21	22	17	8	10	4	3							
1971						5	7	28	9	8	18	14	11	11	47	39	37	29	26	16	8	5	12	9	5	11	4	4	1	1					
1972						4	2	3	6	12	15	13	24	32	36	51	26	22	26	10	15	11	21	8	8	9	8	4							
1973										6	9	11	10	15	9	23	10	14	27	27	45	34	46	37	17	12	7	2	2		1	1			
1974							3	9	3	1	16	7	6	23	13	28	33	35	25	34	30	19	16	18	23	15	2	3	2			1			
1975										3	25	13	13	11	10	9	26	46	55	36	42	19	20	18	7	5	3	3	1						
1976											1	1	3	1	13	40	35	30	28	31	40	32	31	23	21	11	6	5	5	3	3	1	2		
1977								12	11	12	6	9	11	6	31	47	15	19	20	24	24	14	10	22	22	22	7	8	4	3	4	1	1		
1978							2	23	21	15	14	8	5	3	4	5	24	20	14	38	49	20	30	19	16	10	10	11	3	1					
1979								1	28	39	64	54	19	12	17	12	9	8	9	7	14	3	3	22	18	11	8	2	2	2	1				

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	6209	100.0	12	0.8	198	4790	77.1	24	22.0	196	549	8.8
1	0.0	0	6209	100.0	13	1.0	207	4592	74.0	25	28.0	154	353	5.6
2	0.0	6	6209	100.0	14	1.3	374	4385	70.6	26	38.0	74	199	3.2
3	0.0	19	6203	99.9	15	1.7	501	4011	64.6	27	50.0	64	125	2.0
4	0.0	27	6184	99.6	16	2.3	462	3510	56.5	28	66.0	27	61	.9
5	0.1	41	6157	99.2	17	3.0	457	3048	49.1	29	87.0	16	34	.5
6	0.1	38	6116	98.5	18	4.0	399	2591	41.7	30	110.0	11	18	.2
7	0.1	263	6078	97.9	19	5.3	357	2192	35.3	31	150.0	4	7	.1
8	0.2	251	5815	93.7	20	7.0	439	1835	29.6	32	200.0	3	3	
9	0.3	183	5564	89.6	21	9.3	266	1396	22.5	33				
10	0.4	345	5381	86.7	22	12.0	302	1130	18.2	34				
11	0.6	246	5036	81.1	23	16.0	279	828	13.3					

VALUE EXCEEDED "P" PERCENT OF TIME

V95 = 0.2
V90 = 0.3
V75 = 0.9
V70 = 1.3
V50 = 2.9
V25 = 8.5
V10 = 20.0

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND

MEAN

AYERS BROOK AT RANDOLPH, VT

01142500

YEAR	1	3	7	14	30	60	90	120	183
1941	2.70 15	2.90 15	3.50 18	4.30 22	5.00 18	10.00 26	14.00 28	14.00 26	20.00 24
1942	2.10 9	2.10 9	2.30 9	2.70 10	4.10 11	5.40 11	7.00 12	7.90 11	11.00 9
1943	2.10 10	2.20 10	2.50 10	2.60 8	3.70 8	5.50 12	7.90 16	10.00 18	20.00 25
1944	9.00 34	11.00 35	12.00 35	12.00 34	13.00 32	14.00 31	17.00 32	23.00 33	34.00 34
1945	3.40 20	3.70 23	4.00 22	4.20 19	4.80 16	7.30 17	9.70 20	13.00 23	16.00 16
1946	13.00 36	14.00 36	15.00 36	16.00 36	20.00 36	31.00 36	38.00 36	43.00 36	53.00 36
1947	6.40 30	6.60 28	7.70 30	9.50 33	14.00 33	18.00 34	17.00 33	22.00 32	30.00 30
1948	3.50 23	3.50 20	3.60 19 0.11803	3.90 17	4.20 12 0.13770	5.10 10	7.00 13 0.22950	9.70 15	10.00 6 0.3279
1949	3.90 24	4.00 24	4.30 24 0.14098	5.10 24	5.80 22 0.19016	7.60 20	10.00 21 [illegible]	11.00 19	17.00 21 [illegible]
1950	1.40 2	1.60 4	2.00 5	2.50 7	3.50 6	4.40 5	5.30 6	5.40 4	7.30 4
1951	1.80 7	1.90 7	2.10 6 0.06885	2.40 5	3.60 7 0.11803	5.00 8	6.70 10 0.21967	7.90 12	13.00 10 0.42623
1952	6.80 31	7.00 31	7.80 31	9.00 30	10.00 30	12.00 29	13.00 26	14.00 24	20.00 22
1953	3.40 21	3.50 21	3.80 21 0.12459	4.30 20	5.60 21 0.180	7.30 18	7.70 15 0.25245	7.70 9	14.00 12 0.45901
1954	1.50 4	1.60 5	1.70 4	2.20 4	3.90 10	4.50 6	5.10 4	5.70 5	7.60 5
1955	7.70 32	8.00 32	8.50 32	9.30 32	14.00 34	17.00 33	23.00 35	25.00 35	33.00 33
1956	1.80 8	1.90 8	2.10 7 0.06885	2.50 6	3.40 5 0.11147	6.30 13	5.80 7 0.19016	7.20 7	13.00 11 0.42623
1957	3.50 22	3.60 22	4.10 23	4.20 18	5.50 20	11.00 27	15.00 29	15.00 27	20.00 23
1958	3.10 19	3.10 17	3.10 14 0.10163	3.30 12	4.80 17 0.15737	5.00 7	6.30 9 0.20655	9.30 14	16.00 17 0.52461
1959	3.00 16	3.20 18	3.30 16	3.70 15	4.50 13	7.00 16	9.10 19	10.00 16	16.00 18
1960	2.20 11	2.30 11	2.60 11 0.08524	3.30 13	4.60 15 0.15081	7.50 19	8.40 17 0.22840	11.00 20	27.00 28 0.88524
1961	2.50 13	2.50 12	3.10 15	3.40 14	5.10 19	9.20 24	11.00 23	13.00 21	15.00 13
1962	4.00 25	4.30 25	4.70 25 0.15409	5.10 25	6.00 23 0.19672	6.30 14	7.60 14 0.24918	8.50 13	11.00 7 0.36065
1963	2.50 14	2.60 14	2.90 12	3.00 11	3.80 9	5.10 9	5.90 8	6.80 6	16.00 19
1964	1.40 3	1.40 2	1.50 2	1.60 2	1.90 2	2.10 2	2.90 2	3.40 1	6.70 1
1965	1.60 5	1.60 3	1.70 3	1.80 3	2.20 3	4.20 3	5.10 3	5.30 3	6.70 2
1966	0.80 1	0.87 1	0.97 1	1.00 1	1.50 1	2.00 1	2.40 1	3.90 2	7.20 3
1967	2.20 12	2.50 13	3.00 13	4.30 21	6.30 24	8.70 21	10.00 22	13.00 22	17.00 20
1968	4.40 26	4.60 26	5.30 26	6.70 26	8.10 26	8.70 22	9.00 18	10.00 17	15.00 14
1969	6.00 28	6.60 29	7.10 28	7.70 29	9.30 29	11.00 28	12.00 24	14.00 25	23.00 26
1970	5.70 27	6.40 27	7.00 27	7.50 27	8.40 27	10.00 25	15.00 30	17.00 30	25.00 27
1971	3.00 17	3.00 16	3.50 17	3.80 16	4.50 14	6.30 15	6.90 11	7.70 10	11.00 8
1972	3.00 18	3.20 19	3.60 20	5.00 23	7.30 25	9.10 23	13.00 25	15.00 28	16.00 15
1973	6.30 29	6.80 30	7.20 29	7.60 28	8.50 28	14.00 32	17.00 31	22.00 31	31.00 32
1974	8.40 33	8.50 33	9.00 33 0.29508	9.10 31	11.00 31 0.36065	13.00 30	14.00 27 0.45901	16.00 29	36.00 35 1.18032
1975	11.00 35	11.00 34	11.00 34	14.00 35	17.00 35	19.00 35	21.00 34	24.00 34	30.00 31
1976	1.70 6	1.80 6	2.10 8 0.06885	2.70 9	3.40 4 0.11147	4.30 4	5.20 5 0.17049	7.50 8	28.00 29 0.91803

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STATION NUMBER 01142500

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
AYERS BROOK AT RANDOLPH, VT

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	13879	100.0	12	8.5	747	11585	83.5	24	110	410	1334	9.6
1	0.70	6	13879	100.0	13	11.0	684	10838	78.1	25	140	264	924	6.6
2	1.00	12	13873	100.0	14	13.0	991	10154	73.2	26	170	237	660	4.7
3	1.20	11	13861	99.9	15	16.0	1147	9163	66.0	27	220	176	423	3.0
4	1.50	59	13850	99.8	16	20.0	1035	8016	57.8	28	270	101	247	1.7
5	1.90	77	13791	99.4	17	25.0	1190	6981	50.3	29	330	70	146	1.0
6	2.30	116	13714	98.8	18	31.0	957	5791	41.7	30	410	48	76	.5
7	2.90	204	13598	98.0	19	38.0	1057	4834	34.8	31	510	16	28	.2
8	3.60	312	13394	96.5	20	48.0	796	3777	27.2	32	630	8	12	
9	4.50	392	13082	94.3	21	59.0	652	2981	21.5	33	780	2	4	
10	5.50	494	12690	91.4	22	73.0	583	2329	16.8	34	970	2	2	
11	6.90	611	12196	87.9	23	91.0	412	1746	12.6					

VALUE EXCEEDED 'P' PERCENT OF TIME

V95 = 4.20 .1377
V90 = 6.10 .2
V75 = 12.00 .3854
V70 = 14.00 .4590
V50 = 25.00 .8197
V25 = 52.00 1.705
V10 = 110.00 3.607

STATION NUMBER 01144500

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
CONNECTICUT RIVER AT WEST LEBANON, NH

YEAR	1	3	7	14	30	60	90	120	183
1913	1110.00 52	1370.00 51	1500.00 41	1810.00 43	1950.00 40	2470.00 42	3190.00 45	3910.00 52	5630.00 52
1919	1030.00 49	1230.00 47	1460.00 40	1650.00 40	1900.00 39	2650.00 47	3120.00 43	3690.00 46	6590.00 54
1922	820.00 40	913.00 32	950.00 10	955.00 4	1000.00 2	1430.00 6	1500.00 2	1520.00 1	1930.00 2
1923	1300.00 55	1670.00 54	1800.00 51	1840.00 44	2000.00 43	2360.00 35	2870.00 39	2870.00 34	3080.00 21
1924	820.00 41	1020.00 37	1120.00 22	1220.00 21	1480.00 23	1590.00 16	1630.00 4	1830.00 7	3060.00 20
1925	1110.00 53	1690.00 55	1880.00 52	1900.00 48	1980.00 41	2600.00 46	3330.00 49	3970.00 53	4780.00 44
1926	1030.00 50	1210.00 45	1510.00 42	1540.00 38	1880.00 38	2990.00 51	3220.00 48	3970.00 54	6210.00 53
1927	890.00 44	1460.00 52	1790.00 50	2110.00 52	2310.00 52	2550.00 45	3190.00 44	3830.00 49	5030.00 47
1928	680.00 29	1030.00 39	1580.00 43	1890.00 46	2150.00 46	2420.00 38	2590.00 34	2860.00 33	5120.00 49
1929	1290.00 54	1290.00 48	1640.00 46	1990.00 50	2150.00 47	2990.00 52	3530.00 53	3760.00 48	4400.00 39
1930	675.00 43	1020.00 38	1120.00 23	1290.00 23	1860.00 36	1980.00 24	2140.00 22	2330.00 19	2700.00 10
1931	745.00 31	925.00 35	1020.00 13	1040.00 6	1250.00 8	1400.00 4	1780.00 13	2170.00 14	2260.00 4
1932	794.00 35	877.00 28	1300.00 32	1460.00 34	1560.00 27	2430.00 39	2910.00 40	3600.00 44	4080.00 38
1933	962.00 46	1310.00 49	1740.00 49	2060.00 51	2210.00 48	3080.00 54	3630.00 54	3840.00 50	4620.00 42
1934	603.00 26	868.00 27	1230.00 30	1340.00 27	1590.00 29	2070.00 29	2380.00 29	2410.00 22	2960.00 17
1935	566.00 25	654.00 18	731.00 1	887.00 2	1080.00 3	1480.00 8	1710.00 9	1850.00 9	2790.00 12
1936	636.00 42	1090.00 42	1330.00 34	1490.00 35	1770.00 34	2210.00 33	2310.00 27	2410.00 23	3350.00 26
1937	801.00 37	916.00 33	1080.00 18	1180.00 13	1440.00 20	1920.00 23	2070.00 21	2270.00 18	3940.00 35
1938	990.00 48	1040.00 40	1140.00 26	1240.00 22	1380.00 18	1580.00 13	1850.00 16	2720.00 31	3870.00 33
1939	1390.00 56	1810.00 57	1940.00 53	2270.00 56	2750.00 56	2940.00 49	3350.00 50	3850.00 51	5570.00 51
1940	812.00 39	863.00 26	1020.00 14	1310.00 25	1350.00 16	1430.00 5	1740.00 10	2240.00 16	2980.00 18
1941	805.00 38	880.00 29	1050.00 16	1190.00 15	1500.00 24	2250.00 34	2430.00 30	2580.00 30	3960.00 36
1942	970.00 47	1100.00 43	1370.00 37	1530.00 37	2000.00 42	2090.00 30	2580.00 33	2570.00 28	3160.00 23
1943	534.00 24	676.00 20	740.00 2	856.00 1	999.00 1	1130.00 1	1470.00 1	1810.00 6	3250.00 25
1944	1560.00 57	1780.00 56	2040.00 55	2210.00 54	2260.00 50	2530.00 44	2790.00 38	3410.00 40	4860.00 45
1945	755.00 33	903.00 30	1170.00 28	1360.00 28	1470.00 21	2050.00 28	2350.00 28	2990.00 35	3740.00 31
1946	1100.00 51	1180.00 44	1400.00 39	1610.00 39	2100.00 44	3030.00 53	4220.00 56	5500.00 56	6980.00 56
1947	902.00 45	1230.00 46	1590.00 45	1860.00 45	2260.00 51	3120.00 55	2920.00 41	3570.00 42	4560.00 40
1948	799.00 36	907.00 31	1150.00 27	1210.00 20	1270.00 10	1580.00 14	1790.00 14	1750.00 3	1880.00 1
1949	674.00 28	852.00 24	1100.00 19	1200.00 16	1300.00 12	1370.00 2	1640.00 5	1760.00 4	2950.00 16
1950	785.00 34	925.00 34	1130.00 24	1200.00 17	1430.00 19	1510.00 10	1750.00 12	1840.00 8	2390.00 6
1951	350.00 21	600.00 17	1120.00 20	1520.00 36	1830.00 35	2140.00 32	2160.00 23	2220.00 15	3010.00 19
1952	470.00 23	1530.00 53	1940.00 54	2150.00 53	2240.00 49	2440.00 40	2630.00 35	2850.00 32	3840.00 32
1953	155.00 12	242.00 5	1070.00 17	1210.00 18	1270.00 11	1400.00 3	1640.00 6	1760.00 5	2440.00 7
1954	115.00 6	522.00 14	943.00 9	1050.00 7	1360.00 17	1450.00 7	1590.00 3	1600.00 2	1940.00 3
1955	672.00 27	1360.00 50	2050.00 56	2700.00 57	3180.00 57	3930.00 57	5510.00 57	6370.00 57	7060.00 57
1956	166.00 13	450.00 12	799.00 6	1070.00 8	1220.00 5	2030.00 26	2540.00 32	2510.00 25	2830.00 13
1957	187.00 17	852.00 25	1390.00 38	1420.00 32	1600.00 30	2470.00 41	3000.00 42	3130.00 37	3690.00 30
1958	154.00 11	359.00 8	1010.00 12	1180.00 14	1250.00 9	1650.00 17	2030.00 19	2520.00 26	3360.00 27

STATION NUMBER 01144500

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
CONNECTICUT RIVER AT WEST LEBANON, NH

YEAR	1	3	7	14	30	60	90	120	183
1959	219.00 19	421.00 9	1650.00 47	1740.00 42	2100.00 45	2810.00 48	3470.00 52	3510.00 41	3930.00 34
1960	110.00 4	500.00 13	1030.00 15	1140.00 11	1480.00 22	1660.00 18	1740.00 11	2570.00 29	4080.00 37
1961	143.00 10	348.00 7	889.00 8	1170.00 12	1220.00 6	1770.00 19	2040.00 20	2390.00 21	3170.00 24
1962	121.00 7	286.00 6	1230.00 29	1360.00 29	1530.00 25	1830.00 21	1850.00 15	2080.00 12	2670.00 8
1963	134.00 8	674.00 19	1120.00 21	1340.00 26	1720.00 33	2370.00 36	3200.00 46	3230.00 38	5040.00 48
1964	112.00 5	447.00 11	1140.00 25	1300.00 24	1320.00 14	1800.00 20	2250.00 25	2130.00 13	2910.00 15
1965	101.00 2	111.00 1	743.00 3	917.00 3	1190.00 4	1580.00 15	1670.00 7	1880.00 10	2270.00 5
1966	82.00 1	144.00 2	859.00 7	974.00 5	1310.00 13	1560.00 12	1950.00 18	2350.00 20	3420.00 28
1967	139.00 9	692.00 21	1320.00 33	1450.00 33	1570.00 28	1920.00 22	2250.00 26	2460.00 24	3150.00 22
1968	193.00 18	731.00 22	1580.00 44	1900.00 47	2400.00 53	2500.00 43	2760.00 37	3090.00 36	3690.00 29
1969	172.00 15	209.00 3	797.00 5	1130.00 10	1350.00 15	1500.00 9	1710.00 8	1890.00 11	2870.00 14
1970	187.00 16	443.00 10	1340.00 35	1690.00 41	1870.00 37	2390.00 37	3210.00 47	3590.00 43	5020.00 46
1971	109.00 3	222.00 4	794.00 4	1110.00 9	1230.00 7	1540.00 11	1910.00 17	2260.00 17	2780.00 11
1972	170.00 14	540.00 15	1300.00 31	1370.00 30	1540.00 26	2000.00 25	2490.00 31	2550.00 27	2690.00 9
1973	334.00 20	744.00 23	1360.00 36	1400.00 31	1620.00 31	2110.00 31	2750.00 36	3660.00 45	4670.00 43
1974	746.00 32	977.00 36	2150.00 57	2270.00 55	2550.00 55	3210.00 56	3900.00 55	4110.00 55	6660.00 55
1975	706.00 30	1060.00 41	1720.00 48	1920.00 49	2470.00 54	2960.00 50	3420.00 51	3700.00 47	4590.00 41
1976	410.00 22	554.00 16	970.00 11	1210.00 19	1620.00 32	2040.00 27	2180.00 24	3280.00 39	5490.00 50

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STATION NUMBER 01144500

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
CONNECTICUT RIVER AT WEST LEBANON, NH

NUMBER OF DAYS IN CLASS

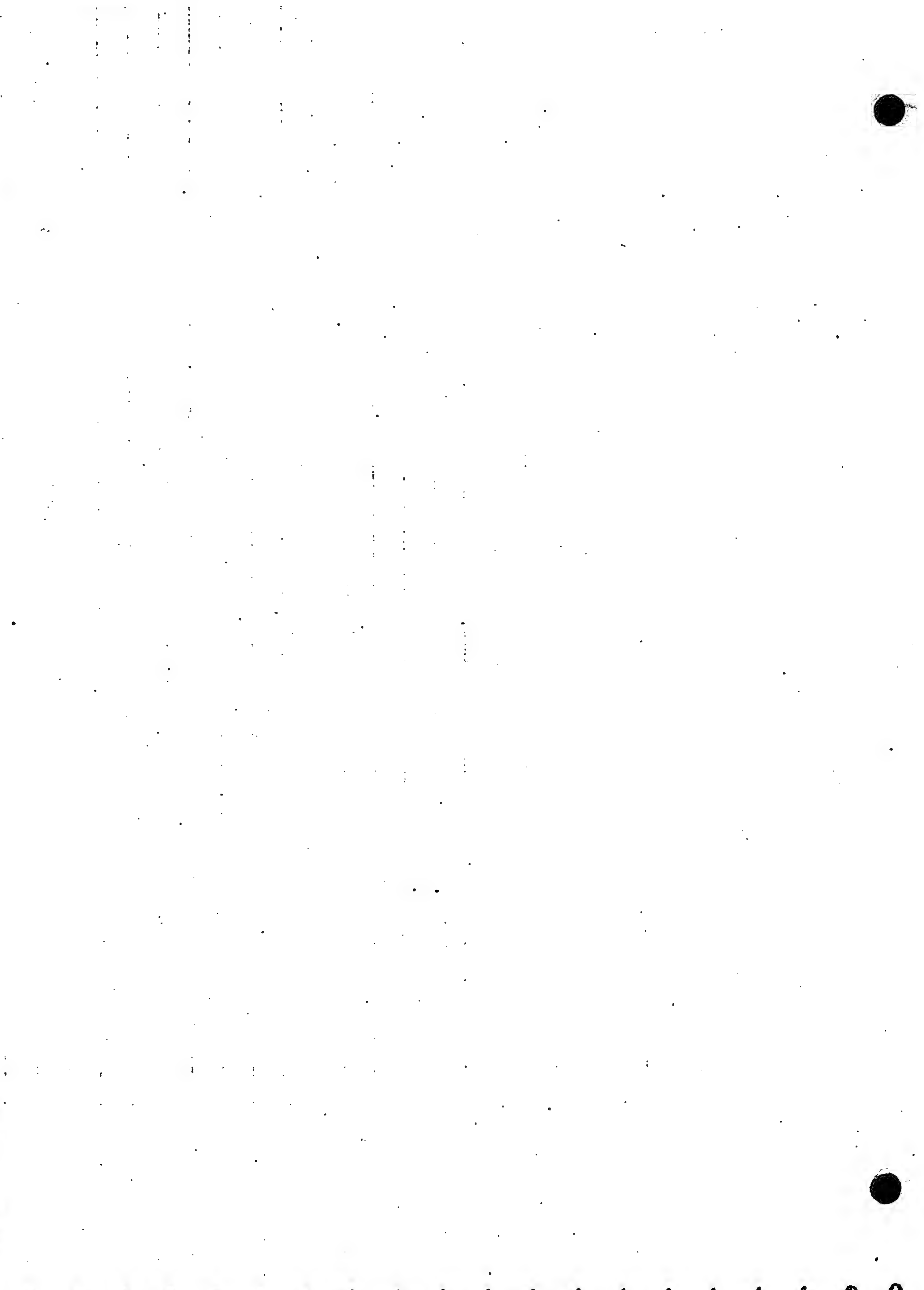
CLASS / YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1960				1	5	1		3	3	1	3	2	3	5	16	15	25	19	29	45	30	35	20	38	17	14	8	6	12	8	2				
1961				3	2	4	5	2	1		6	9	4	14	13	11	37	37	38	34	33	21	30	27	12	9	5	4	4						
1962			1	4	5	5	5	3	6	5	8	11	5	8	15	20	29	45	60	39	23	9	10	16	7	7	6	7	3	3					
1963			1	4	4	1	2	5	1	3	5	2	9	14	12	15	30	28	63	32	23	22	12	21	11	17	11	10	7						
1964			6	9	8	2	3	4	2	5	6	5	10	13	20	23	24	26	37	29	33	30	18	19	9	8	9	4	2	2					
1965		6	10	6	4	4	5	3	5	2	3	7	7	15	16	17	29	45	46	53	23	22	11	12	9	5									
1966				1		5	5	3	4	4	5	5		10	10	11	19	19	33	44	46	47	22	39	14	8	7	4							
1967					1	5	3	1	9	8	6	7	6	11	12	10	24	31	66	54	20	14	14	16	22	11	10	2	1	1					
1968					3	5	2	2	4	5	4	5	6	17	15	17	23	17	26	51	48	34	23	19	10	9	10	7	3	1					
1969						8	3	4		2	8	9	5	14	14	18	22	27	33	42	51	19	17	17	8	5	7	11	11	6	4				
1970			2	2	1	2		6	4	3	6	8	4	12	22	20	30	16	22	28	44	34	27	22	14	10	4	10	6	6					
1971					2	3	2	4	3		6	5	4	18	22	18	49	32	44	39	37	16	11	10	7	3	7	15	6	2					
1972							4	2		2	6	1	3	9	18	17	26	37	51	47	34	26	21	24	4	2	11	10	3	3	5				
1973										1	1	5	2	7	7	8	17	17	21	29	40	37	35	42	38	21	17	9	5	2	2	2			
1974											2	1	2	3	11	8	19	20	29	26	35	64	36	31	14	17	19	14	9	5					
1975									1	1	4	11	5	13	17	18	21	20	42	42	50	42	26	14	14	7	7	8	1	1					
1976														1	1	3	10	16	44	31	40	43	35	38	47	22	12	12	3	5	1	2			

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	20819	100.0	12	920.0	241	20075	96.4	24	13000.0	862	2955	14.1
1	82.0	6	20819	100.0	13	1100.0	608	19834	95.3	25	16000.0	673	2093	10.0
2	100.0	22	20813	100.0	14	1400.0	1076	19226	92.3	26	20000.0	490	1420	6.8
3	130.0	38	20791	99.9	15	1800.0	1213	18150	87.2	27	25000.0	420	930	4.4
4	160.0	51	20753	99.7	16	2200.0	2008	16937	81.4	28	31000.0	275	510	2.4
5	200.0	61	20702	99.4	17	2800.0	1951	14929	71.7	29	38000.0	147	235	1.1
6	250.0	50	20641	99.1	18	3400.0	2315	12978	62.3	30	48000.0	58	88	.4
7	310.0	56	20591	98.9	19	4300.0	2027	10663	51.2	31	60000.0	21	30	.1
8	380.0	61	20535	98.6	20	5300.0	1810	8636	41.5	32	74000.0	4	9	
9	470.0	79	20474	98.3	21	6600.0	1527	6826	32.8	33	92000.0	4	5	
10	590.0	127	20395	98.0	22	8200.0	1129	5299	25.5	34	120000.0	1	1	
11	740.0	193	20268	97.4	23	10000.0	1215	4170	20.0					

VALUE EXCEEDED "P" PERCENT OF TIME

V95 = 1100.0
V90 = 1600.0
V75 = 2600.0
V70 = 2900.0
V50 = 4400.0
V25 = 8300.0

0144500



VIO = 16000.0

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STATION NUMBER 01145000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
MASCOMA RIVER AT WEST CANAAN, NH

YEAR	1		3		7		14		30		60		90		120		183	
1941	8.70	25	9.20	28	10.00	28	15.00	29	22.00	31	32.00	32	33.00	27	42.00	27	63.00	27
1942	5.30	12	5.90	17	8.00	21	11.00	25	22.00	32	32.00	33	38.00	32	45.00	30	55.00	22
1943	7.20	22	7.60	22	8.10	22	8.40	19	9.70	13	14.00	14	17.00	12	21.00	14	39.00	15
1944	14.00	36	14.00	36	17.00	36	24.00	36	27.00	36	30.00	30	33.00	28	43.00	28	70.00	30
1945	6.20	20	6.30	18	6.60	16	7.20	13	7.70	7	16.00	18	25.00	20	35.00	23	44.00	18
1946	12.00	34	13.00	34	14.00	33	15.00	30	24.00	35	31.00	31	50.00	35	63.00	35	95.00	37
1947	12.00	35	13.00	35	14.00	34	21.00	35	23.00	33	38.00	37	37.00	31	56.00	31	60.00	25
1948	5.00	8	5.00	8	5.30	7	5.90	7	6.60	4	7.00	3	8.90	3	14.00	3	16.00	2
1949	5.50	14	5.70	12	6.20	13	7.30	15	7.80	8	10.00	6	15.00	8	18.00	11	33.00	11
1950	9.20	29	9.60	30	11.00	29	15.00	31	17.00	26	19.00	22	26.00	21	28.00	19	41.00	17
1951	5.70	17	5.70	13	6.00	11	7.20	14	9.00	12	14.00	15	15.00	9	16.00	9	32.00	10
1952	22.00	38	25.00	38	28.00	38	32.00	38	46.00	38	52.00	38	58.00	37	58.00	33	82.00	32
1953	6.10	19	6.30	19	6.60	17	8.30	17	11.00	16	13.00	10	15.00	10	15.00	7	24.00	7
1954	3.40	2	3.60	2	4.40	6	6.70	10	8.10	10	12.00	9	14.00	5	14.00	4	20.00	3
1955	8.80	26	8.90	25	9.70	25	13.00	27	23.00	34	33.00	34	52.00	36	79.00	38	97.00	38
1956	9.30	30	9.50	29	11.00	30	14.00	28	19.00	29	36.00	36	64.00	38	61.00	34	68.00	28
1957	8.80	27	9.00	26	9.70	26	10.00	24	12.00	17	21.00	23	36.00	30	36.00	24	50.00	20
1958	5.30	13	5.80	15	6.40	14	7.20	11	13.00	20	15.00	16	19.00	15	25.00	18	39.00	16
1959	5.00	9	5.10	9	5.40	8	5.50	6	7.50	6	10.00	7	14.00	6	15.00	5	22.00	5
1960	5.60	15	5.70	14	6.60	15	8.10	16	16.00	25	24.00	27	28.00	22	34.00	21	55.00	23
1961	5.00	10	5.20	10	6.00	12	6.20	9	8.60	11	16.00	17	31.00	23	34.00	22	53.00	21
1962	5.20	11	5.50	11	5.70	10	6.10	8	10.00	14	18.00	20	20.00	19	22.00	15	31.00	9
1963	4.60	7	4.80	7	5.50	9	8.60	20	13.00	21	14.00	11	15.00	7	18.00	10	62.00	26
1964	4.20	6	4.20	6	4.30	5	4.40	3	6.50	3	7.30	4	8.40	2	8.70	2	26.00	8
1965	3.60	3	3.60	3	3.80	3	3.90	1	4.50	2	6.50	1	7.10	1	7.60	1	11.00	1
1966	3.00	1	3.10	1	3.60	1	4.10	2	4.40	1	6.80	2	11.00	4	15.00	6	23.00	6
1967	8.80	28	9.00	27	9.70	27	12.00	26	14.00	23	18.00	21	19.00	16	20.00	12	36.00	13
1968	7.00	21	7.00	21	7.80	20	8.40	18	11.00	15	14.00	12	20.00	17	24.00	17	36.00	14
1969	7.50	23	7.90	23	8.60	23	9.20	22	12.00	18	17.00	19	17.00	13	21.00	13	46.00	19
1970	11.00	31	12.00	31	13.00	31	16.00	32	20.00	30	22.00	24	49.00	34	73.00	37	89.00	34
1971	3.60	4	3.70	4	3.80	2	4.50	4	7.00	5	9.80	5	17.00	14	23.00	16	35.00	12
1972	5.70	16	5.90	16	6.70	18	7.20	12	13.00	22	14.00	13	16.00	11	16.00	8	20.00	4
1973	12.00	32	13.00	32	14.00	32	17.00	33	18.00	27	25.00	28	34.00	29	64.00	36	90.00	35
1974	12.00	33	13.00	33	15.00	35	17.00	34	19.00	28	25.00	29	32.00	24	37.00	25	91.00	36
1975	5.90	18	6.30	20	7.20	19	8.80	21	12.00	19	22.00	25	32.00	25	39.00	26	57.00	24
1976	7.70	24	8.00	24	8.80	24	10.00	23	16.00	24	23.00	26	33.00	26	45.00	29	85.00	33
1977	17.00	37	18.00	37	23.00	37	28.00	37	31.00	37	35.00	35	45.00	33	56.00	32	80.00	31
1978	4.00	5	4.10	5	4.30	4	4.80	5	7.80	9	11.00	8	20.00	18	31.00	20	69.00	29

STATION NUMBER 01145000

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
MASCOMA RIVER AT WEST CANAAN, NH

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERC
0	0.00	0	14245	100.0	12	28.0	889	10368	72.8	24	310	344	1348	9.
1	3.00	17	14245	100.0	13	34.0	1034	9479	66.5	25	380	324	1004	7.
2	3.70	55	14228	99.9	14	42.0	978	8445	59.3	26	470	251	680	4.
3	4.50	78	14173	99.5	15	51.0	893	7467	52.4	27	580	138	429	3.
4	5.50	222	14095	98.9	16	62.0	971	6574	46.1	28	700	135	291	2.
5	6.70	240	13873	97.4	17	76.0	880	5603	39.3	29	860	82	156	1.
6	8.20	329	13633	95.7	18	93.0	596	4723	33.2	30	1100	29	74	.
7	10.00	255	13304	93.4	19	110.0	817	4127	29.0	31	1300	30	45	.
8	12.00	559	13049	91.6	20	140.0	559	3310	23.2	32	1600	11	15	.
9	15.00	735	12490	87.7	21	170.0	567	2751	19.3	33	1900	3	4	
10	19.00	628	11755	82.5	22	210.0	487	2184	15.3	34	2400	1	1	
11	23.00	759	11127	78.1	23	260.0	349	1697	11.9					

VALUE EXCEEDED "P" PERCENT OF TIME

V95 =	8.70	0.108
V90 =	13.00	0.161
V75 =	26.00	0.323
V70 =	31.00	0.385
V50 =	55.00	0.68
V25 =	130.00	1.61
V10 =	300.00	3.73

STATION NUMBER 01150500

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
MASCOMA RIVER AT MASCOMA, NH

YEAR	1	3	7	14	30	60	90	120	183
1925	12.00 6	70.00 46	73.00 40	78.00 39	86.00 44	93.00 46	102.00 46	108.00 44	118.00 39
1926	15.00 8	63.00 39	86.00 49	94.00 49	112.00 53	117.00 53	140.00 54	147.00 53	154.00 46
1927	2.50 3	44.00 30	73.00 41	83.00 45	88.00 47	89.00 43	92.00 40	96.00 40	107.00 32
1928	2.80 4	32.00 13	66.00 34	78.00 40	85.00 42	87.00 41	90.00 37	94.00 36	116.00 37
1929	2.00 1	67.00 42	102.00 53	102.00 52	107.00 50	115.00 51	122.00 50	124.00 47	124.00 41
1930	23.00 16	61.00 38	80.00 46	85.00 48	86.00 43	89.00 42	90.00 38	95.00 37	102.00 30
1931	53.00 47	53.00 35	53.00 24	54.00 20	54.00 15	63.00 20	75.00 24	85.00 28	91.00 22
1932	92.00 53	101.00 54	106.00 54	108.00 54	109.00 52	111.00 50	115.00 47	117.00 45	148.00 45
1933	42.00 40	67.00 43	81.00 47	82.00 42	84.00 40	86.00 40	87.00 34	89.00 31	100.00 28
1934	45.00 42	65.00 40	70.00 37	73.00 36	75.00 36	79.00 33	79.00 30	80.00 24	85.00 19
1935	37.00 33	49.00 32	57.00 30	62.00 29	69.00 31	75.00 30	76.00 25	78.00 22	90.00 21
1936	32.00 30	56.00 36	60.00 31	63.00 30	65.00 28	70.00 26	73.00 21	77.00 21	87.00 20
1937	52.00 45	69.00 44	70.00 38	70.00 34	73.00 34	84.00 37	87.00 35	90.00 32	96.00 25
1938	62.00 49	75.00 49	79.00 45	82.00 43	85.00 41	91.00 44	98.00 43	105.00 42	117.00 38
1939	94.00 54	94.00 53	94.00 50	98.00 50	108.00 51	140.00 55	161.00 55	156.00 54	246.00 55
1940	49.00 43	56.00 37	56.00 28	58.00 25	61.00 26	69.00 23	78.00 28	84.00 27	83.00 17
1941	2.00 2	36.00 18	55.00 25	64.00 31	78.00 38	84.00 38	86.00 32	95.00 38	115.00 36
1942	52.00 46	67.00 41	68.00 35	70.00 35	72.00 32	83.00 34	92.00 39	95.00 39	101.00 29
1943	68.00 50	69.00 45	71.00 39	74.00 37	76.00 37	78.00 32	79.00 29	81.00 25	94.00 23
1944	110.00 55	112.00 55	113.00 55	117.00 55	121.00 55	131.00 54	134.00 53	143.00 51	156.00 47
1945	59.00 48	71.00 47	78.00 44	78.00 41	81.00 39	84.00 39	87.00 36	90.00 33	99.00 26
1946	37.00 34	80.00 51	97.00 51	102.00 53	103.00 49	109.00 49	117.00 48	128.00 49	176.00 51
1947	79.00 52	81.00 52	82.00 48	84.00 46	87.00 45	93.00 47	97.00 42	107.00 43	114.00 35
1948	38.00 37	40.00 22	42.00 14	42.00 10	43.00 10	46.00 9	49.00 8	52.00 5	61.00 6
1949	33.00 31	35.00 16	38.00 10	44.00 11	49.00 11	52.00 10	56.00 9	58.00 8	72.00 9
1950	27.00 24	42.00 26	52.00 23	56.00 22	56.00 20	57.00 13	58.00 10	60.00 9	65.00 7
1951	30.00 27	42.00 27	50.00 20	52.00 18	54.00 16	56.00 12	59.00 11	61.00 10	84.00 18
1952	69.00 51	73.00 48	74.00 42	83.00 44	88.00 46	92.00 45	99.00 44	104.00 41	131.00 42
1953	37.00 35	41.00 23	49.00 18	50.00 16	53.00 14	58.00 14	63.00 13	66.00 14	76.00 12
1954	38.00 36	51.00 34	65.00 33	66.00 32	67.00 29	70.00 27	73.00 22	75.00 20	76.00 13
1955	15.00 9	36.00 17	76.00 43	84.00 47	91.00 48	104.00 48	122.00 51	143.00 52	164.00 48
1956	51.00 44	78.00 50	97.00 52	98.00 51	113.00 54	116.00 52	126.00 52	126.00 48	142.00 44
1957	44.00 41	49.00 33	70.00 36	74.00 38	75.00 35	83.00 35	86.00 33	86.00 29	96.00 24
1958	26.00 23	31.00 11	47.00 16	49.00 15	52.00 13	58.00 15	66.00 16	69.00 16	73.00 10
1959	3.00 5	34.00 15	57.00 29	60.00 27	60.00 24	62.00 17	64.00 14	64.00 12	67.00 8
1960	31.00 28	44.00 31	63.00 32	66.00 33	69.00 30	73.00 29	83.00 31	90.00 34	110.00 33
1961	32.00 29	43.00 29	55.00 26	55.00 21	55.00 17	71.00 28	77.00 26	82.00 26	103.00 31
1962	13.00 7	41.00 24	50.00 19	62.00 28	63.00 27	69.00 24	73.00 23	74.00 19	75.00 11
1963	24.00 17	42.00 28	52.00 21	53.00 19	56.00 21	63.00 18	67.00 17	71.00 17	114.00 34

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STATION NUMBER 01150500

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
MASCOMA RIVER AT MASCOMA, NH

YEAR	1		3		7		14		30		60		90		120		183	
1964	18.00	11	27.00	6	32.00	7	33.00	6	33.00	4	35.00	2	36.00	1	38.00	1	46.00	2
1965	18.00	12	24.00	2	31.00	5	32.00	5	33.00	5	35.00	3	38.00	2	39.00	2	45.00	1
1966	25.00	21	29.00	7	34.00	9	35.00	8	36.00	6	39.00	5	44.00	4	47.00	3	52.00	4
1967	25.00	22	39.00	20	55.00	27	58.00	23	60.00	25	67.00	21	68.00	19	68.00	15	78.00	14
1968	21.00	14	32.00	14	49.00	17	52.00	17	55.00	18	58.00	16	59.00	12	61.00	11	78.00	15
1969	19.00	13	31.00	12	52.00	22	58.00	24	59.00	22	63.00	19	67.00	18	71.00	18	99.00	27
1970	16.00	10	25.00	3	42.00	15	47.00	14	56.00	19	70.00	25	121.00	49	158.00	55	188.00	54
1971	24.00	18	30.00	10	32.00	6	34.00	7	38.00	8	43.00	6	44.00	5	52.00	6	80.00	16
1972	25.00	19	25.00	4	25.00	2	25.00	2	28.00	2	43.00	7	46.00	6	47.00	4	49.00	3
1973	41.00	39	41.00	25	41.00	12	45.00	12	51.00	12	84.00	36	99.00	45	141.00	50	171.00	49
1974	25.00	20	27.00	5	33.00	8	47.00	13	59.00	23	68.00	22	78.00	27	87.00	30	182.00	52
1975	39.00	38	40.00	21	40.00	11	41.00	9	43.00	9	54.00	11	66.00	15	79.00	23	123.00	40
1976	28.00	25	29.00	8	30.00	3	31.00	3	33.00	3	46.00	8	71.00	20	90.00	35	174.00	50
1977	35.00	32	37.00	19	42.00	13	59.00	26	72.00	33	76.00	31	93.00	41	123.00	46	187.00	53
1978	30.00	26	30.00	9	31.00	4	32.00	4	36.00	7	38.00	4	49.00	7	66.00	13	138.00	43
1979	22.00	15	23.00	1	23.00	1	24.00	1	27.00	1	33.00	1	42.00	3	58.00	7	58.00	5

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STATION NUMBER '01150500

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
MASCOMA RIVER AT MASCOMA, NH

NUMBER OF DAYS IN CLASS

CLASS / YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1964												6	20	54	29	50	31	28	10	28	20	43	18	7	7	4	6	2	2		1				
1965											1	7	23	82	66	25	54	37	14	25	13	5	5	6	2										
1966												1	5	15	25	43	51	67	33	32	4	18	40	12	11	5	3								
1967												3	2	12	12	27	61	82	54	26	8	13	19	10	13	12	4	5	1	1					
1968												5	2	11	13	23	58	36	56	40	21	18	32	19	7	10	6	6	3						
1969											1	2	2	4	25	22	49	9	27	56	51	37	17	18	11	3	5	7	4	6	7	2			
1970										1	1	2	13	56	34	10	22	22	12	18	24	39	31	20	21	11	12	11	5						
1971														29	78	22	61	31	19	22	41	23	3	6	2	3	14	8	3						
1972												19	4	17	19	51	57	20	35	46	11	5	21	18	8	8	5	13	7	2					
1973												2		1	1	52	19	9	17	65	15	21	40	27	28	25	18	11	5	5	2		2		
1974												2	2	17	26	16	39	42	23	28	28	42	28	14	18	10	12	12	6						
1975													24	3	9	49	9	13	80	52	42	14	27	12	6	12	3	9	1						
1976														8	2	16	38	33	31	33	13	44	39	33	31	13	11	8	6	3	3	1			
1977													13	42	14	24	68	34	37	22	9	16	19	13	21	10	6	9	3	4	1				
1978												16	47	10	9	3	3	6	36	19	41	44	32	20	28	27	7	11	6						
1979													57	45	38	33	15	30	42	17	10	11	9	8	7	8	21	9	3	2					

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	20454	100.0	12	27.0	270	20362	99.6	24	450.0	601	2125	10.3
1	2.0	2	20454	100.0	13	34.0	570	20092	98.2	25	570.0	492	1524	7.4
2	2.5	3	20452	100.0	14	43.0	701	19522	95.4	26	720.0	396	1032	5.0
3	3.2	1	20449	100.0	15	54.0	1214	18821	92.0	27	910.0	322	636	3.1
4	4.1	0	20448	100.0	16	68.0	2362	17607	86.1	28	1200.0	169	314	1.5
5	5.1	0	20448	100.0	17	87.0	3101	15245	74.5	29	1500.0	64	145	.7
6	6.5	1	20448	100.0	18	110.0	3407	12144	59.4	30	1800.0	51	81	.3
7	8.2	0	20447	100.0	19	140.0	1962	8737	42.7	31	2300.0	18	30	.1
8	10.0	1	20447	100.0	20	180.0	1252	6775	33.1	32	3000.0	8	12	
9	13.0	5	20446	100.0	21	220.0	1477	5523	27.0	33	3700.0	2	4	
10	17.0	4	20441	99.9	22	280.0	1202	4046	19.8	34	4700.0	2	2	
11	21.0	75	20437	99.9	23	360.0	719	2844	13.9					

VALUE EXCEEDED "P" PERCENT OF TIME

V95 = 44.0
V90 = 59.0
V75 = 86.0
V70 = 94.0
V50 = 130.0
V25 = 240.0
V10 = 470.0

STATION NUMBER 01152500

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND

MEAN

SUGAR RIVER AT WEST CLAREMONT, NH

YEAR	1	3	7	14	30	60	90	120	183
1930	56.00 33	59.00 33	64.00 34	69.00 36	83.00 41	88.00 34	97.00 28	97.00 23	108.00 11
1931	31.00 6	38.00 5	42.00 6	44.00 6	47.00 3	58.00 6	75.00 11	78.00 8	100.00 9
1932	66.00 46	73.00 46	80.00 46	87.00 47	99.00 46	107.00 42	113.00 39	126.00 37	169.00 32
1933	34.00 7	39.00 6	43.00 7	49.00 9	55.00 7	64.00 8	75.00 12	89.00 17	133.00 20
1934	57.00 37	63.00 38	65.00 35	73.00 38	76.00 36	85.00 30	98.00 29	103.00 26	130.00 18
1935	49.00 24	52.00 21	53.00 15	59.00 22	64.00 17	73.00 18	90.00 24	107.00 27	158.00 29
1936	67.00 47	70.00 44	74.00 45	78.00 44	82.00 40	89.00 35	95.00 26	111.00 30	153.00 26
1937	42.00 15	44.00 9	47.00 10	48.00 7	54.00 6	57.00 5	61.00 4	64.00 4	111.00 14
1938	58.00 38	61.00 36	66.00 38	67.00 34	71.00 32	86.00 31	109.00 36	125.00 36	224.00 38
1939	75.00 48	83.00 48	97.00 49	110.00 49	146.00 49	201.00 50	280.00 50	291.00 50	472.00 50
1940	48.00 22	52.00 22	58.00 27	61.00 26	65.00 22	82.00 28	86.00 22	97.00 24	138.00 23
1941	62.00 41	63.00 39	67.00 39	74.00 39	81.00 38	99.00 40	99.00 30	124.00 35	181.00 33
1942	42.00 16	45.00 10	50.00 11	51.00 10	61.00 14	67.00 12	69.00 6	80.00 9	95.00 7
1943	41.00 13	51.00 17	56.00 21	61.00 27	65.00 23	67.00 13	77.00 14	93.00 18	133.00 21
1944	65.00 43	71.00 45	73.00 44	78.00 45	82.00 39	113.00 43	130.00 41	160.00 40	201.00 36
1945	51.00 27	53.00 25	56.00 22	58.00 20	61.00 15	81.00 26	106.00 34	127.00 38	161.00 30
1946	91.00 50	92.00 50	99.00 50	100.00 48	122.00 48	134.00 46	176.00 45	205.00 45	306.00 48
1947	45.00 21	51.00 18	53.00 16	58.00 21	74.00 34	93.00 38	100.00 32	143.00 39	155.00 27
1948	35.00 8	46.00 13	55.00 17	57.00 16	60.00 13	64.00 9	71.00 7	88.00 16	87.00 6
1949	30.00 5	50.00 15	55.00 18	57.00 17	64.00 18	67.00 10	76.00 13	87.00 13	125.00 17
1950	40.00 12	42.00 8	45.00 8	54.00 12	64.00 19	72.00 17	81.00 18	86.00 12	100.00 8
1951	43.00 17	45.00 11	46.00 9	49.00 8	56.00 8	81.00 27	87.00 23	88.00 14	131.00 19
1952	84.00 49	91.00 49	96.00 48	115.00 50	154.00 50	159.00 49	181.00 46	180.00 42	268.00 43
1953	43.00 18	54.00 26	59.00 31	62.00 28	67.00 27	77.00 22	79.00 15	82.00 10	116.00 15
1954	44.00 19	54.00 27	58.00 28	63.00 29	64.00 20	68.00 14	85.00 19	88.00 15	110.00 12
1955	65.00 44	68.00 43	70.00 42	74.00 40	90.00 43	107.00 41	161.00 44	196.00 43	293.00 47
1956	56.00 34	63.00 40	65.00 36	69.00 35	80.00 37	156.00 48	222.00 48	220.00 47	292.00 46
1957	61.00 39	62.00 37	66.00 37	71.00 37	75.00 35	90.00 36	109.00 37	109.00 29	148.00 24
1958	21.00 2	33.00 3	39.00 3	43.00 4	47.00 4	56.00 4	61.00 5	70.00 5	110.00 13
1959	38.00 9	45.00 12	50.00 12	53.00 11	56.00 9	63.00 7	73.00 10	84.00 11	105.00 10
1960	42.00 14	52.00 23	56.00 23	60.00 23	68.00 28	77.00 23	80.00 16	94.00 19	151.00 25
1961	61.00 40	65.00 41	71.00 43	74.00 41	89.00 42	114.00 44	187.00 47	199.00 44	265.00 42
1962	44.00 20	51.00 19	55.00 19	58.00 18	69.00 29	92.00 37	99.00 31	98.00 25	124.00 16
1963	49.00 23	50.00 16	55.00 20	55.00 13	57.00 10	76.00 19	81.00 17	95.00 21	195.00 35
1964	29.00 4	36.00 4	39.00 4	41.00 2	42.00 2	45.00 2	47.00 2	47.00 2	80.00 4
1965	22.00 3	24.00 2	35.00 2	44.00 5	48.00 5	49.00 3	53.00 3	55.00 3	61.00 1
1966	14.00 1	17.00 1	21.00 1	22.00 1	24.00 1	27.00 1	32.00 1	42.00 1	63.00 2
1967	57.00 35	58.00 31	59.00 29	64.00 31	65.00 24	76.00 20	117.00 40	120.00 33	182.00 34
1968	57.00 36	60.00 34	61.00 32	63.00 30	66.00 25	70.00 15	85.00 20	97.00 22	138.00 22

STATION NUMBER 01152500

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
SUGAR RIVER AT WEST CLAREMONT, NH

YEAR	1		3		7		14		30		60		90		120		183	
1969	54.00	28	55.00	28	57.00	24	61.00	24	69.00	30	83.00	29	86.00	21	94.00	20	223.00	37
1970	66.00	45	76.00	47	86.00	47	87.00	46	93.00	44	99.00	39	144.00	42	259.00	49	278.00	45
1971	55.00	30	61.00	35	64.00	33	66.00	32	71.00	31	80.00	24	96.00	27	108.00	28	157.00	28
1972	39.00	10	47.00	14	53.00	13	56.00	14	64.00	21	71.00	16	71.00	8	74.00	6	79.00	3
1973	50.00	25	52.00	20	53.00	14	57.00	15	63.00	16	76.00	21	91.00	25	163.00	41	259.00	40
1974	51.00	26	53.00	24	57.00	25	66.00	33	73.00	33	86.00	32	106.00	35	122.00	34	264.00	41
1975	55.00	31	56.00	29	59.00	30	61.00	25	66.00	26	86.00	33	111.00	38	117.00	31	166.00	31
1976	63.00	42	67.00	42	68.00	41	74.00	42	113.00	47	138.00	47	225.00	49	242.00	48	394.00	49
1977	55.00	32	58.00	32	67.00	40	78.00	43	97.00	45	132.00	45	160.00	43	208.00	46	255.00	39
1978	39.00	11	40.00	7	42.00	5	43.00	3	57.00	11	80.00	25	102.00	33	120.00	32	275.00	44
1979	54.00	29	56.00	30	57.00	26	58.00	19	60.00	12	67.00	11	73.00	9	78.00	7	85.00	5

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STATION NUMBER 01152500

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
SUGAR RIVER AT WEST CLAREMONT, NH

NUMBER OF DAYS IN CLASS

CLASS / YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	3
1969									2	16	41	30	15	8	43	38	38	27	15	14	17	8	8	5	8	3	6	5	6	8	3	1			
1970								1	13	27	35	40	18	12	13	23	33	24	21	19	10	16	14	11	6	8	12	5	4						
1971									39	34	29	25	44	30	20	24	29	15	9	11	6	6	4	5	16	8	3	5	2	1					
1972							1	14	38	29	19	19	26	31	27	26	20	11	14	8	14	15	14	8	8	5	3	9	4	3					
1973									5	13	32	21	20	8	12	23	24	18	22	26	17	22	32	24	16	9	11	7	1	1	1				
1974								2	25	29	25	21	26	32	16	16	17	23	18	23	16	15	15	14	13	7	5	4	2		1				
1975									2	21	20	35	15	23	25	53	22	30	22	22	15	16	10	14	7	4	6	2	1						
1976									3	8	13	26	14	7	11	19	23	24	25	34	33	34	28	12	19	12	11	2	5		3				
1977							10	6	14	7	13	36	78	23	15	20	18	23	21	15	12	11	11	9	4	3	7	2	3	1	2	1			
1978								1	44	25	14	9	5	11	14	10	29	25	32	33	27	15	21	15	14	6	6	5	3			1			
1979									16	41	85	42	23	15	10	23	12	6	11	5	5	5	8	19	13	10	6	4	3	3					

CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	18627	100.0
1	14.00	2	18627	100.0
2	17.00	5	18625	100.0
3	21.00	25	18620	100.0
4	25.00	33	18595	99.8
5	31.00	28	18562	99.7
6	37.00	119	18534	99.5
7	45.00	383	18415	98.9
8	55.00	954	18032	96.8
9	67.00	1367	17078	91.7
10	81.00	1474	15711	84.3
11	98.00	1447	14237	76.4

CLASS	VALUE	TOTAL	ACCUM	PERCT
12	120.0	1649	12790	68.7
13	150.0	1254	11141	59.8
14	180.0	1009	9867	53.1
15	210.0	1451	8878	47.7
16	260.0	1194	7427	39.9
17	320.0	951	6233	33.5
18	390.0	818	5282	28.4
19	470.0	809	4464	24.0
20	570.0	642	3655	19.6
21	690.0	646	3013	16.2
22	840.0	527	2367	12.7
23	1000.0	455	1840	9.9

CLASS	VALUE	TOTAL	ACCUM	PERCT
24	1200	467	1385	7.4
25	1500	282	918	4.9
26	1800	246	636	3.4
27	2200	157	390	2.0
28	2700	117	233	1.2
29	3300	50	116	.6
30	4000	44	66	.3
31	4900	13	22	.1
32	5900	4	9	
33	7200	3	5	
34	8700	2	2	

VALUE EXCEEDED "P" PERCENT OF TIME

V95 = 59.00
V90 = 70.00
V75 = 100.00
[illegible] = 120.00
V50 = 200.00
V25 = 455.00
V10 = [illegible].00

STATION NUMBER 01153500

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
WILLIAMS RIVER AT BROCKWAYS MILLS, VT

YEAR	1		3		7		14		30		60		90		120		183	
1942	5.90	6	6.00	5	6.20	4	6.70	3	10.00	9	12.00	6	14.00	7	17.00	6	25.00	4
1943	8.40	17	9.10	18	10.00	19	10.00	14	14.00	17	18.00	16	21.00	12	27.00	13	56.00	22
1944	21.00	35	21.00	35	22.00	35	24.00	35	27.00	34	38.00	35	43.00	31	65.00	33	92.00	28
1945	8.30	16	8.70	15	8.90	15	11.00	16	11.00	13	17.00	15	24.00	15	31.00	18	44.00	16
1946	17.00	33	17.00	33	18.00	33	19.00	33	25.00	32	31.00	33	48.00	32	58.00	31	97.00	30
1947	12.00	27	12.00	27	12.00	26	14.00	25	20.00	26	26.00	26	37.00	27	41.00	25	48.00	19
1948	10.00	24	11.00	24	11.00	22	11.00	17	12.00	14	13.00	9	18.00	10	29.00	16	32.00	9
1949	5.80	5	5.90	4	6.30	5	7.30	7	9.00	7	12.00	7	15.00	8	23.00	11	38.00	12
1950	3.60	1	3.80	1	4.20	1	5.30	2	7.70	2	10.00	4	13.00	5	15.00	3	22.00	2
1951	5.20	3	5.20	3	5.40	3	7.10	4	8.90	6	15.00	11	26.00	18	28.00	15	47.00	18
1952	23.00	36	25.00	36	31.00	36	37.00	36	47.00	37	67.00	37	66.00	36	74.00	36	104.00	34
1953	9.30	19	9.80	21	10.00	20	13.00	22	18.00	23	20.00	19	22.00	13	22.00	10	43.00	13
X 1954	6.20	9	6.50	9	6.80	7	7.80	9	10.00	10	12.00	8	14.00	6	15.00	4	24.00	3
1955	9.30	20	9.40	19	9.70	17	11.00	18	21.00	27	30.00	30	57.00	35	60.00	32	113.00	36
1956	5.70	4	6.10	6	6.70	6	8.00	10	11.00	11	23.00	22	42.00	30	46.00	29	95.00	29
X 1957	8.60	18	8.70	16	9.40	16	11.00	19	15.00	18	20.00	20	30.00	21	31.00	19	46.00	17
1958	6.40	10	6.40	8	6.90	8	7.70	8	8.30	5	11.00	5	12.00	3	16.00	5	30.00	7
1959	6.60	11	6.70	11	7.20	11	8.60	11	9.70	8	14.00	10	17.00	9	21.00	8	32.00	10
1960	9.40	21	9.70	20	12.00	23	16.00	29	24.00	31	31.00	31	33.00	24	37.00	23	67.00	23
X 1961	14.00	28	14.00	28	16.00	31	18.00	30	26.00	33	37.00	34	55.00	34	73.00	35	85.00	27
1962	11.00	25	11.00	25	12.00	24	14.00	26	22.00	29	27.00	27	39.00	28	37.00	24	43.00	14
1963	8.20	15	8.80	17	10.00	18	11.00	20	11.00	12	19.00	17	19.00	11	22.00	9	55.00	20
1964	6.00	7	6.30	7	6.90	9	7.20	6	8.10	4	9.60	1	11.00	1	11.00	1	27.00	5
1965	6.20	8	6.60	10	7.00	10	7.10	5	7.90	3	9.60	2	12.00	2	12.00	2	18.00	1
1966	4.50	2	4.50	2	4.70	2	5.10	1	7.30	1	9.80	3	13.00	4	18.00	7	30.00	8
1967	6.70	12	6.90	12	8.20	13	10.00	15	12.00	15	17.00	12	32.00	23	43.00	26	69.00	25
1968	12.00	26	12.00	26	13.00	27	13.00	23	16.00	21	19.00	18	24.00	16	33.00	20	55.00	21
1969	9.80	22	10.00	22	11.00	21	12.00	21	16.00	22	24.00	23	28.00	20	30.00	17	82.00	26
1970	20.00	34	20.00	34	21.00	34	22.00	34	28.00	35	31.00	32	51.00	33	70.00	34	100.00	31
1971	7.60	14	8.20	14	8.60	14	9.80	13	14.00	16	17.00	13	22.00	14	27.00	14	43.00	15
X 1972	6.80	13	7.00	13	7.40	12	9.00	12	15.00	19	17.00	14	26.00	17	26.00	12	28.00	6
1973	15.00	32	15.00	32	17.00	32	18.00	31	22.00	30	26.00	24	34.00	25	57.00	30	122.00	37
1974	14.00	29	14.00	29	15.00	28	16.00	27	19.00	24	22.00	21	27.00	19	33.00	21	101.00	32
1975	10.00	23	11.00	23	12.00	25	14.00	24	16.00	20	28.00	29	39.00	29	44.00	27	68.00	24
1976	27.00	37	31.00	37	33.00	37	37.00	37	75.00	38	108.00	38	117.00	38	148.00	38	220.00	38
1977	35.00	38	37.00	38	37.00	38	39.00	38	40.00	36	47.00	36	69.00	37	85.00	37	107.00	35
1978	14.00	30	15.00	30	15.00	29	16.00	28	19.00	25	27.00	28	37.00	26	44.00	28	103.00	33
1979	15.00	31	15.00	31	16.00	30	18.00	32	21.00	28	26.00	25	31.00	22	34.00	22	37.00	11

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STATION NUMBER 01153500

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
WILLIAMS RIVER AT BROCKWAYS MILLS, VT

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	14244	100.0	12	40.0	953	9868	69.3	24	560	263	956	6.7
1	3.50	5	14244	100.0	13	50.0	991	8915	62.6	25	690	256	693	4.8
2	4.50	20	14239	100.0	14	62.0	975	7924	55.6	26	870	147	437	3.0
3	5.60	67	14219	99.8	15	78.0	959	6949	48.8	27	1100	105	290	2.0
4	6.90	199	14152	99.4	16	97.0	820	5990	42.1	28	1300	94	185	1.2
5	8.70	270	13953	98.0	17	120.0	812	5170	36.3	29	1700	39	91	.6
6	11.00	307	13683	96.1	18	150.0	807	4358	30.6	30	2100	31	52	.3
7	13.00	615	13376	93.9	19	190.0	609	3551	24.9	31	2600	12	21	.1
8	17.00	605	12761	89.6	20	230.0	641	2942	20.7	32	3200	4	9	
9	21.00	658	12156	85.3	21	290.0	513	2301	16.2	33	4000	3	5	
10	26.00	683	11498	80.7	22	360.0	482	1788	12.6	34	5000	2	2	
11	32.00	947	10815	75.9	23	450.0	350	1306	9.2					

VALUE EXCEEDED "P" PERCENT OF TIME

V95 = 12.00 .1165
V90 = 17.00 .1650
V75 = 33.00 .3204
V70 = 39.00 .3786
V50 = 75.00 .7282
V25 = 190.00 1.845
V10 = 430.00 4.125

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STATION NUMBER 01154000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
SAXTONS RIVER AT SAXTONS RIVER, VT

YEAR	1		3		7		14		30		60		90		120		183	
1942	4.80	13	5.10	12	5.40	12	5.50	11	7.90	11	9.50	10	10.00	7	14.00	8	19.00	6
1943	5.20	16	6.20	19	6.80	19	7.50	16	9.80	18	13.00	15	15.00	12	18.00	13	36.00	19
1944	12.00	32	12.00	32	13.00	32	15.00	32	15.00	32	26.00	33	34.00	31	37.00	31	64.00	27
1945	6.00	20	6.60	20	6.80	20	7.50	17	8.80	13	14.00	16	19.00	20	24.00	24	32.00	17
1946	12.00	33	13.00	35	15.00	35	16.00	34	23.00	35	28.00	34	34.00	32	47.00	33	71.00	30
1947	7.30	25	7.60	25	8.00	25	9.20	24	11.00	21	16.00	25	21.00	24	22.00	20	24.00	11
1948	6.50	21	6.80	22	6.90	21	7.20	14	7.60	10	9.00	8	12.00	10	22.00	21	26.00	14
1949	3.60	6	3.90	8	4.10	7	4.80	8	4.90	4	6.90	4	8.90	5	12.00	5	25.00	12
1950	3.00	2	3.50	4	4.00	5	5.30	9	7.00	9	9.30	9	11.00	8	12.00	6	16.00	2
1951	5.40	18	5.50	17	6.20	16	8.40	21	9.20	15	15.00	21	28.00	29	29.00	28	42.00	20
1952	16.00	36	18.00	36	20.00	36	24.00	36	31.00	37	42.00	37	44.00	36	50.00	34	74.00	31
1953	7.20	24	7.20	24	7.50	23	11.00	29	12.00	23	14.00	17	16.00	13	16.00	11	31.00	15
1954	3.20	3	3.30	3	3.50	2	3.90	1	5.60	6	7.40	5	8.70	4	9.30	3	17.00	3
1955	5.90	19	6.20	18	6.60	17	7.50	18	13.00	27	21.00	31	39.00	35	45.00	32	78.00	35
1956	2.40	1	2.50	1	3.00	1	4.00	2	4.80	2	14.00	18	28.00	30	29.00	29	70.00	29
1957	4.80	14	5.40	15	6.60	18	6.90	13	9.70	17	12.00	13	19.00	21	21.00	18	31.00	16
1958	3.60	7	3.80	6	4.10	8	4.30	6	4.80	3	6.70	3	8.00	3	11.00	4	21.00	8
1959	4.50	11	4.50	10	4.70	10	5.40	10	6.50	8	11.00	11	12.00	9	14.00	9	22.00	9
1960	5.00	15	5.10	13	6.00	14	8.10	20	14.00	28	18.00	26	22.00	25	23.00	22	42.00	21
1961	12.00	34	12.00	33	13.00	33	17.00	35	22.00	33	31.00	35	37.00	33	61.00	36	77.00	33
1962	6.70	23	7.00	23	7.70	24	9.50	25	14.00	29	15.00	22	17.00	14	20.00	14	24.00	10
1963	7.40	26	7.70	26	8.70	27	9.80	26	10.00	19	18.00	27	18.00	17	20.00	15	42.00	22
1964	3.70	9	3.90	9	4.30	9	4.70	7	5.30	5	6.00	2	6.80	2	7.20	2	18.00	4
1965	3.60	8	3.80	7	4.00	6	4.10	3	4.40	1	5.40	1	6.10	1	6.40	1	8.80	1
1966	3.40	5	3.60	5	3.70	4	4.20	5	6.00	7	8.10	6	9.40	6	13.00	7	25.00	13
1967	5.30	17	5.50	16	6.10	15	8.60	22	8.90	14	12.00	12	20.00	22	24.00	23	44.00	25
1968	8.00	27	8.30	27	8.50	26	8.80	23	12.00	24	16.00	23	20.00	23	26.00	25	43.00	23
1969	6.50	22	6.60	21	7.00	22	7.90	19	9.50	16	18.00	28	19.00	18	22.00	19	55.00	26
1970	12.00	35	13.00	34	14.00	34	15.00	33	22.00	34	24.00	32	39.00	34	63.00	37	78.00	36
1971	4.80	12	5.10	14	5.40	11	6.30	12	11.00	22	13.00	14	17.00	15	21.00	16	33.00	18
1972	3.20	4	3.30	2	3.60	3	4.10	4	8.50	12	8.90	7	15.00	11	16.00	10	19.00	5
1973	8.30	28	8.80	28	9.10	28	10.00	27	14.00	30	16.00	24	23.00	26	33.00	30	76.00	37
1974	9.60	31	9.90	31	11.00	31	11.00	30	13.00	25	14.00	19	19.00	19	21.00	17	65.00	28
1975	4.10	10	4.60	11	5.60	13	7.40	15	10.00	20	20.00	30	27.00	28	28.00	26	43.00	24
1976	18.00	37	20.00	37	21.00	37	27.00	38	54.00	38	67.00	38	79.00	38	90.00	38	149.00	38
1977	22.00	38	23.00	38	25.00	38	26.00	37	27.00	36	32.00	36	48.00	37	60.00	35	77.00	34
1978	8.70	29	9.30	29	9.80	29	10.00	28	13.00	26	19.00	29	24.00	27	29.00	27	75.00	32
1979	9.60	30	9.80	30	11.00	30	12.00	31	14.00	31	15.00	20	17.00	16	18.00	12	20.00	7

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STATION NUMBER 01154000

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
SAXTONS RIVER AT SAXTONS RIVER, VT

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	14244	100.0	12	26.0	957	10239	71.9	24	360.0	319	1059	7.4
1	2.3	3	14244	100.0	13	33.0	886	9282	65.2	25	450.0	257	740	5.1
2	3.0	21	14241	100.0	14	41.0	967	8396	58.9	26	560.0	161	483	3.3
3	3.7	92	14220	99.8	15	51.0	977	7429	52.2	27	700.0	131	322	2.2
4	4.6	200	14128	99.2	16	63.0	925	6452	45.3	28	860.0	91	191	1.3
5	5.7	318	13928	97.8	17	79.0	842	5527	38.8	29	1100.0	37	100	.7
6	7.1	407	13610	95.5	18	98.0	730	4685	32.9	30	1300.0	39	63	.4
7	8.9	334	13203	92.7	19	120.0	746	3955	27.8	31	1700.0	11	24	.1
8	11.0	679	12869	90.3	20	150.0	712	3209	22.5	32	2100.0	9	13	
9	14.0	577	12190	85.6	21	190.0	467	2497	17.5	33	2600.0	2	4	
10	17.0	638	11613	81.5	22	230.0	541	2030	14.3	34	3200.0	2	2	
11	21.0	736	10975	77.0	23	290.0	430	1889	10.5					

VALUE EXCEEDED "P" PERCENT OF TIME

D.A. = 72.2 mi²

	Q	cfs / mi²
V95 =	7.4	0.102
V90 =	11.0	0.152
V75 =	23.0	0.319
V70 =	28.0	0.389
V50 =	55.0	0.762
V25 =	140.0	1.94
V10 =	300.0	4.16

STATION NUMBER 01154500

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
CONNECTICUT RIVER AT NORTH WALPOLE, NH

YEAR	1	3	7	14	30	60	90	120	183
1943	195.00 18	616.00 13	992.00 4	1200.00 5	1320.00 1	1520.00 2	1970.00 4	2290.00 7	3950.00 15
1944	282.00 27	2180.00 36	2460.00 35	2590.00 33	2730.00 31	3090.00 28	3390.00 24	4240.00 29	6090.00 29
1945	203.00 20	437.00 9	1230.00 12	1550.00 17	1700.00 14	2450.00 18	2880.00 18	3810.00 23	4430.00 20
1946	222.00 23	1270.00 30	1780.00 27	2020.00 28	2620.00 29	3770.00 36	5250.00 36	6880.00 36	8790.00 36
1947	231.00 25	1230.00 28	1870.00 30	2180.00 30	2730.00 32	3630.00 32	3400.00 25	4220.00 28	5310.00 25
1948	246.00 26	742.00 20	1280.00 14	1390.00 12	1450.00 4	1770.00 6	2070.00 7	2080.00 3	2260.00 1
1949	209.00 21	635.00 14	1090.00 7	1290.00 6	1430.00 3	1490.00 1	1860.00 1	2050.00 2	3510.00 11
1950	199.00 19	804.00 22	1230.00 13	1380.00 10	1630.00 13	1740.00 5	1980.00 5	2090.00 4	2710.00 4
1951	185.00 14	845.00 23	1460.00 20	1780.00 22	2140.00 25	2470.00 19	2450.00 16	2530.00 10	3550.00 12
1952	639.00 31	1810.00 34	2570.00 36	2930.00 36	3310.00 36	3510.00 31	3860.00 30	3880.00 25	5330.00 26
1953	115.00 1	556.00 12	1360.00 18	1520.00 15	1590.00 9	1720.00 4	2000.00 6	2120.00 5	3070.00 6
1954	164.00 11	526.00 11	1210.00 10	1310.00 7	1590.00 10	1700.00 3	1900.00 2	1950.00 1	2420.00 2
1955	536.00 30	1220.00 27	2350.00 33	2910.00 35	4070.00 37	4430.00 37	6420.00 37	8060.00 37	8940.00 37
1956	152.00 9	486.00 10	1020.00 5	1360.00 8	1600.00 11	3150.00 29	3470.00 26	3680.00 21	4430.00 21
1957	310.00 29	986.00 25	1640.00 23	1780.00 23	1990.00 22	2980.00 26	3690.00 28	3810.00 24	4620.00 23
1958	115.00 2	151.00 1	1130.00 9	1360.00 9	1490.00 5	1920.00 11	2350.00 14	2910.00 15	3920.00 14
1959	188.00 16	352.00 7	1760.00 26	1820.00 24	2350.00 28	3090.00 27	3900.00 31	3950.00 26	4490.00 22
1960	226.00 24	664.00 17	1220.00 11	1390.00 11	1870.00 18	2190.00 14	2280.00 11	3170.00 18	5080.00 24
1961	188.00 17	212.00 4	1120.00 8	1580.00 19	1710.00 15	2360.00 16	3030.00 20	3320.00 19	4540.00 19
1962	156.00 10	408.00 8	1660.00 24	1860.00 25	1980.00 20	2230.00 15	2310.00 12	2580.00 11	3280.00 8
1963	186.00 15	781.00 21	1330.00 17	1550.00 16	1990.00 21	2870.00 24	3590.00 27	3680.00 22	6110.00 30
1964	149.00 8	638.00 15	1300.00 15	1410.00 14	1490.00 6	1980.00 13	2450.00 15	2340.00 8	3330.00 9
1965	139.00 6	161.00 2	931.00 3	1160.00 3	1400.00 2	1860.00 8	1950.00 3	2150.00 6	2610.00 3
1966	136.00 4	257.00 6	1030.00 6	1110.00 1	1540.00 8	1780.00 7	2200.00 9	2660.00 13	3860.00 13
1967	139.00 5	727.00 19	1620.00 22	1760.00 21	1840.00 17	2510.00 20	2850.00 17	3020.00 16	3970.00 16
1968	149.00 7	659.00 16	1800.00 29	2230.00 31	2630.00 30	2750.00 22	3190.00 23	3580.00 20	4350.00 18
1969	171.00 12	172.00 3	861.00 2	1200.00 4	1740.00 16	1960.00 12	2110.00 8	2370.00 9	4100.00 17
1970	128.00 3	863.00 24	1920.00 31	2090.00 29	2280.00 27	2840.00 23	4040.00 32	4840.00 34	6760.00 31
1971	209.00 22	214.00 5	777.00 1	1130.00 2	1490.00 7	1900.00 10	2350.00 13	2750.00 14	3450.00 10
1972	174.00 13	716.00 18	1490.00 21	1650.00 20	1920.00 19	2380.00 17	2960.00 19	3030.00 17	3180.00 7
1973	305.00 28	1190.00 26	1750.00 25	1910.00 26	2010.00 23	2540.00 21	3170.00 22	4400.00 31	5930.00 28
1974	1420.00 34	1930.00 35	2430.00 34	2630.00 34	2870.00 33	3660.00 33	4400.00 33	4660.00 32	8280.00 35
1975	1440.00 36	1710.00 33	2050.00 32	2420.00 32	3050.00 34	3710.00 34	4420.00 34	4690.00 33	5860.00 27
1976	1420.00 35	1430.00 32	1440.00 19	1560.00 18	2250.00 26	2880.00 25	3110.00 21	4390.00 30	7530.00 34
1977	1450.00 37	2420.00 37	2730.00 37	3130.00 37	3300.00 35	3730.00 35	4590.00 35	5430.00 35	7270.00 32
1978	1310.00 33	1360.00 31	1790.00 28	1980.00 27	2140.00 24	3210.00 30	3780.00 29	4110.00 27	7330.00 33
1979	1200.00 32	1270.00 29	1310.00 16	1400.00 13	1630.00 12	1880.00 9	2270.00 10	2630.00 12	2760.00 5

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STATION NUMBER 01154500

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
CONNECTICUT RIVER AT NORTH WALPOLE, NH.

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERC
0	0.00	0	13514	100.0	12	1100.0	111	12838	95.0	24	12000	574	3134	23.
1	115.00	9	13514	100.0	13	1300.0	330	12727	94.2	25	14000	764	2560	16.
2	140.00	51	13505	99.9	14	1600.0	328	12397	91.7	26	18000	376	1796	13.
3	170.00	88	13454	99.6	15	1900.0	691	12069	89.3	27	21000	443	1420	10.
4	210.00	56	13366	98.9	16	2400.0	677	11378	84.2	28	26000	310	977	7.
5	260.00	18	13310	98.5	17	2900.0	801	10701	79.2	29	32000	277	667	4.
6	310.00	35	13292	98.4	18	3500.0	1137	9900	73.3	30	39000	197	390	2.
7	380.00	39	13257	98.1	19	4300.0	1340	8763	64.8	31	48000	125	193	1.
8	470.00	67	13218	97.8	20	5300.0	1195	7423	54.9	32	59000	54	68	
9	580.00	87	13151	97.3	21	6400.0	1250	6228	46.1	33	72000	13	14	
10	700.00	98	13064	96.7	22	7900.0	922	4978	36.8	34	88000	1	1	
11	860.00	128	12966	95.9	23	9600.0	922	4056	30.0					

VALUE EXCEEDED "P" PERCENT OF TIME

V95 = 1100.00
V90 = 1800.00
V75 = 3300.00
V70 = 3800.00
V50 = 5900.00
V25 = 11000.00
V10 = 22000.00

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STATION NUMBER 01155000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND

MEAN

COLD RIVER AT DREWSVILLE, NH

YEAR	1		3		7		14		30		60		90		120		183	
1942	1.90	1	2.10	1	3.10	1	4.40	3	7.20	8	9.30	9	9.80	6	13.00	7	19.00	4
1943	5.50	13	5.90	15	6.50	16	6.70	11	8.20	12	9.30	10	11.00	7	14.00	8	37.00	19
1944	5.60	14	6.00	19	7.20	26	8.70	23	12.00	26	20.00	28	28.00	28	27.00	25	61.00	27
1945	8.20	29	8.60	29	9.50	29	11.00	29	14.00	29	22.00	30	32.00	30	36.00	29	48.00	23
1946	12.00	32	13.00	34	15.00	34	16.00	32	25.00	35	30.00	35	35.00	32	47.00	31	84.00	36
1947	5.30	10	6.00	20	6.50	17	8.90	26	9.50	19	13.00	16	17.00	17	24.00	21	28.00	15
1948	6.60	25	6.60	25	6.80	22	7.20	18	7.50	9	8.20	5	12.00	10	22.00	19	25.00	13
1949	3.80	4	4.00	4	4.10	4	4.50	4	5.10	2	6.40	3	8.00	3	11.00	4	24.00	11
1950	4.10	6	4.50	6	5.20	6	6.80	12	8.70	16	9.20	7	12.00	11	18.00	16	24.00	12
1951	5.20	9	5.30	9	5.80	9	7.00	15	8.70	17	15.00	20	27.00	27	25.00	22	36.00	18
1952	1[illegible].00	37	17.00	37	20.00	37	25.00	37	39.00	37	42.00	37	54.00	36	56.00	35	82.00	35
1953	6.80	27	6.80	26	7.20	23	9.00	27	11.00	22	14.00	17	15.00	14	15.00	10	22.00	6
1954	5.70	19	5.70	11	5.90	10	6.50	8	7.10	7	8.20	4	11.00	8	11.00	5	20.00	5
1955	5.60	15	5.70	12	6.10	11	6.80	13	10.00	20	15.00	21	26.00	26	50.00	32	76.00	34
1956	5.70	16	5.90	16	6.20	12	7.00	16	9.20	18	23.00	31	32.00	31	35.00	28	71.00	31
1957	5.70	17	5.80	13	6.60	18	7.50	21	8.20	13	11.00	13	16.00	15	17.00	14	23.00	9
1958	6.20	23	6.20	21	6.20	13	6.50	9	6.70	5	8.40	6	9.60	5	12.00	6	21.00	7
1959	5.00	8	5.00	7	5.20	7	6.20	7	8.60	15	12.00	15	13.00	12	14.00	9	23.00	10
1960	5.50	11	6.00	17	7.20	24	8.70	24	12.00	27	14.00	18	17.00	18	20.00	18	39.00	20
1961	8.80	30	8.90	30	9.60	30	11.00	30	15.00	30	20.00	29	41.00	34	54.00	34	69.00	29
1962	6.40	24	6.40	23	6.70	21	7.40	19	11.00	23	15.00	22	17.00	19	19.00	17	28.00	14
1963	5.90	20	6.00	18	6.60	19	7.50	20	8.00	11	15.00	23	14.00	13	16.00	11	44.00	22
1964	4.90	7	5.00	8	5.30	8	5.30	5	5.90	4	9.30	8	8.80	4	9.70	3	20.00	6
1965	3.10	2	3.10	2	3.20	2	3.30	1	3.50	1	4.50	1	5.20	1	5.60	1	7.20	1
1966	3.40	3	3.50	3	3.60	3	3.90	2	5.50	3	6.20	2	6.90	2	9.70	2	19.00	2
1967	5.50	12	5.50	10	6.40	15	7.00	17	7.70	10	11.00	14	23.00	24	26.00	23	51.00	24
1968	6.10	22	6.40	24	6.60	20	6.90	14	8.40	14	9.40	11	12.00	9	16.00	12	30.00	16
1969	4.00	5	4.30	5	4.50	5	5.30	6	6.80	6	11.00	12	17.00	20	18.00	15	56.00	25
1970	15.00	35	15.00	35	17.00	36	17.00	33	24.00	34	25.00	32	39.00	33	61.00	36	75.00	33
1971	6.70	26	7.40	27	7.70	27	8.70	25	11.00	24	18.00	26	19.00	21	24.00	20	33.00	17
1972	7.90	28	8.00	28	8.30	28	9.40	28	12.00	28	14.00	19	16.00	16	17.00	13	19.00	3
1973	8.90	31	9.40	31	9.70	31	12.00	31	16.00	31	20.00	27	22.00	23	29.00	26	70.00	30
1974	15.00	36	16.00	36	16.00	35	17.00	34	19.00	32	26.00	33	31.00	29	37.00	30	68.00	28
1975	6.00	21	6.30	22	7.20	25	8.50	22	11.00	25	17.00	25	24.00	25	27.00	24	41.00	21
1976	13.00	33	13.00	32	15.00	32	18.00	36	35.00	36	41.00	36	65.00	37	73.00	37	119.00	37
1977	13.00	34	13.00	33	15.00	33	17.00	35	23.00	33	30.00	34	45.00	35	50.00	33	60.00	26
1978	5.70	18	5.90	14	6.30	14	6.60	10	10.00	21	16.00	24	20.00	22	29.00	27	74.00	32

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STATION NUMBER 01155000

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC F[illegible]T PER SECOND
MEAN
COLD RIVER AT DREWSV[illegible] , NH

CLASS	VALUE	TOTA[illegible]	[illegible]UM	PERCT
0	0.0	0	79	100.0
1	1.8	2	[illegible]9	100.0
2	2.3	[illegible]	[illegible]	100.0
3	2.8	1[illegible]		100[illegible]
4	3.5	79		
5	4.4	143		
6	5.6	322		
7	7.0	474		
8	8.7	476		
9	11.0	549		
10	14.0	564		
11	17.0	667		

CL[illegible]SS	VALUE	TOTAL	ACCUM	PERCT
[illegible]	21.0	792	10585	76.3
[illegible]	27.0	982	9793	70.6
[illegible]	34.0	929	8811	63.5
[illegible]	42.0	977	7882	56.8
[illegible]	53.0	995	6905	49.8
[illegible]	66.0	865	5910	42.6
[illegible]	83.0	668	5045	36.3
[illegible]	100.0	835	4377	31.5
[illegible]	130.0	634	3542	25.5
[illegible]	160.0	606	2908	21.0
[illegible]	200.0	668	2302	16.6
[illegible]	260.0	399	1634	11.8

CLASS	VALUE	TOTAL	ACCUM	PERCT
24	320.0	373	1235	8.8
25	400.0	288	862	6.2
26	500.0	205	574	4.1
27	630.0	154	369	2.6
28	790.0	94	215	1.5
29	990.0	63	121	.8
30	1200.0	37	58	.4
31	1600.0	11	21	.1
32	1900.0	5	10	
33	2400.0	4	5	
34	3100.0	1	1	

VALUE EXCEEDED "P" PER[illegible]

V95 = 7.5
V90 = 10.0
V75 = 22.0
V70 = 28.0
V50 = 53.0
V25 = 130.0
V10 = 300.0

STATION NUMBER 01156000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
WEST RIVER AT NEWFANE, VT

YEAR	1		3		7		14		30		60		90		120		183	
1921	53.00	3	60.00	3	63.00	3	75.00	3	101.00	3	130.00	3	132.00	3	170.00	3	253.00	3
1922	38.00	1	38.00	1	39.00	1	41.00	1	47.00	1	59.00	1	71.00	1	85.00	1	152.00	2
1923	48.00	2	52.00	2	54.00	2	59.00	2	83.00	2	99.00	2	106.00	2	107.00	2	132.00	1

NOTE:

Gage data From years 1921 to 1923 were not included in low Flow Frequency analysis For this gage. It was assumed that the effort required to incorporate this three years to the gage analysis For the period of 1930 - 1961 would not improve the results by a significant amount.

JMR 7-29-80

STATION NUMBER 01156000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
WEST RIVER AT NEWFANE, VT

YEAR	1		3		7		14		30		60		90		120		183	
1930	24.00	15	24.00	12	25.00	10	32.00	11	61.00	23	64.00	14	87.00	12	106.00	12	152.00	7
1931	22.00	10	24.00	13	27.00	16	32.00	12	35.00	9	49.00	7	65.00	9	80.00	6	140.00	6
1932	50.00	28	52.00	28	60.00	29	79.00	30	106.00	30	135.00	29	137.00	24	188.00	24	295.00	23
1933	20.00	6	21.00	6	23.00	6	37.00	18	43.00	14	51.00	9	57.00	5	73.00	5	169.00	10
1934	25.00	18	26.00	17	31.00	21	56.00	27	66.00	24	88.00	18	121.00	22	199.00	25	227.00	20
1935	35.00	25	40.00	26	46.00	26	49.00	24	51.00	19	132.00	28	172.00	27	201.00	26	310.00	25
1936	58.00	31	60.00	31	67.00	31	76.00	29	95.00	28	114.00	27	120.00	21	140.00	19	245.00	21
1937	25.00	19	26.00	18	30.00	20	37.00	19	44.00	15	73.00	15	82.00	10	96.00	9	188.00	13
1938	38.00	27	40.00	27	49.00	27	53.00	25	67.00	25	82.00	17	91.00	14	142.00	20	321.00	26
1939	52.00	29	53.00	29	59.00	28	89.00	31	124.00	31	190.00	31	296.00	32	301.00	32	522.00	32
1940	26.00	20	28.00	21	28.00	17	38.00	20	60.00	22	89.00	19	109.00	17	125.00	17	189.00	14
1941	23.00	11	25.00	14	26.00	12	33.00	14	40.00	10	112.00	25	134.00	23	145.00	21	250.00	22
1942	26.00	21	29.00	23	37.00	23	40.00	21	54.00	20	95.00	21	110.00	18	118.00	15	156.00	8
1943	20.00	7	22.00	7	25.00	11	26.00	5	41.00	12	60.00	12	85.00	11	101.00	11	196.00	16
1944	32.00	24	34.00	24	41.00	24	45.00	22	49.00	18	112.00	26	175.00	28	179.00	23	308.00	24
1945	21.00	8	22.00	8	24.00	7	28.00	7	29.00	4	51.00	10	90.00	13	125.00	16	174.00	12
1946	52.00	30	55.00	30	61.00	30	65.00	28	106.00	29	141.00	30	229.00	29	273.00	30	392.00	28
1947	23.00	12	26.00	19	32.00	22	45.00	23	60.00	21	98.00	22	118.00	20	165.00	22	209.00	19
1948	23.00	13	23.00	10	24.00	8	28.00	8	31.00	6	34.00	3	47.00	4	99.00	10	109.00	3
1949	13.00	1	14.00	1	16.00	2	19.00	1	21.00	1	30.00	1	42.00	3	62.00	4	124.00	5
1950	14.00	2	14.00	2	15.00	1	19.00	2	26.00	2	30.00	2	40.00	2	58.00	2	88.00	2
1951	17.00	3	18.00	3	20.00	5	26.00	6	31.00	7	48.00	6	111.00	19	112.00	14	194.00	15
1952	85.00	32	88.00	32	99.00	32	118.00	32	147.00	32	239.00	32	237.00	30	268.00	28	398.00	29
1953	24.00	16	25.00	15	27.00	13	36.00	16	45.00	16	50.00	8	60.00	8	58.00	3	121.00	4
1954	18.00	5	18.00	4	19.00	3	22.00	3	28.00	3	38.00	4	39.00	1	43.00	1	77.00	1
1955	27.00	23	28.00	22	30.00	18	36.00	17	88.00	27	105.00	23	247.00	31	286.00	31	509.00	31
1956	17.00	4	18.00	5	19.00	4	23.00	4	30.00	5	89.00	20	147.00	25	209.00	27	484.00	30
1957	23.00	14	24.00	11	27.00	14	30.00	9	48.00	17	64.00	13	100.00	15	137.00	18	198.00	17
1958	26.00	22	27.00	20	30.00	19	32.00	13	33.00	8	47.00	5	58.00	6	84.00	7	169.00	11
1959	25.00	17	26.00	16	27.00	15	34.00	15	40.00	11	81.00	16	105.00	16	108.00	13	168.00	9
1960	21.00	9	22.00	9	25.00	9	31.00	10	43.00	13	53.00	11	58.00	7	87.00	8	205.00	18
1961	37.00	26	39.00	25	43.00	25	55.00	26	70.00	26	106.00	24	152.00	26	270.00	29	331.00	27

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STATION NUMBER 01156000

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
WEST RIVER AT NEWFANE, VT

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	12053	100.0	12	160.0	889	7988	66.3	24	2400.0	231	640	5.3
1	13.0	8	12053	100.0	13	200.0	1017	7099	58.9	25	3100.0	142	409	3.3
2	16.0	40	12045	99.9	14	250.0	1028	6082	50.5	26	3900.0	109	267	2.2
3	21.0	116	12005	99.6	15	320.0	778	5054	41.9	27	4900.0	64	158	1.3
4	26.0	211	11889	98.6	16	400.0	662	4276	35.5	28	6100.0	53	94	.7
5	32.0	374	11678	96.9	17	500.0	575	3614	30.0	29	7700.0	22	41	.3
6	41.0	372	11304	93.8	18	620.0	544	3039	25.2	30	9600.0	11	19	.1
7	51.0	445	10932	90.7	19	780.0	496	2495	20.7	31	12000.0	5	8	
8	64.0	498	10487	87.0	20	990.0	355	1999	16.6	32	15000.0	1	3	
9	80.0	535	9989	82.9	21	1200.0	487	1644	13.6	33	19000.0	1	2	
10	100.0	775	9454	78.4	22	1600.0	297	1157	9.6	34	24000.0	1	1	
11	130.0	691	8679	72.0	23	2000.0	220	860	7.1					

VALUE EXCEEDED "P" PERCENT OF TIME

V95 =	37.0	0.120
V90 =	53.0	0.172
V75 =	120.0	0.390
V70 =	140.0	0.454
V50 =	250.0	0.812
V25 =	630.0	2.04
V10 =	1600.0	5.19

STATION NUMBER 01157000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
ASHUELOT RIVER NEAR GILSUM, NH

YEAR	1		3		7		14		30		60		90		120		183
1924	1.60	1	4.80	21	9.40	39	11.00	39	16.00	45	26.00	45	28.00	42	27.00	38	38.00
1925	3.80	15	4.70	17	6.60	25	7.40	23	11.00	27	20.00	42	25.00	39	25.00	35	28.00
1926	12.00	51	16.00	51	19.00	50	22.00	52	25.00	50	30.00	46	35.00	45	39.00	43	44.00
1927	10.00	49	10.00	47	13.00	48	14.00	48	17.00	46	17.00	34	20.00	35	24.00	31	40.00
1928	14.00	52	18.00	53	22.00	54	26.00	53	34.00	53	40.00	53	44.00	50	44.00	44	73.00
1929	21.00	55	25.00	56	31.00	56	38.00	56	45.00	56	46.00	54	51.00	51	57.00	52	65.00
1930	5.80	31	5.90	31	6.30	23	7.40	24	12.00	31	13.00	22	14.00	13	15.00	12	19.00
1931	6.20	33	7.50	37	8.50	34	9.20	31	11.00	28	13.00	23	15.00	16	18.00	13	18.00
1932	6.50	34	9.50	43	10.00	45	12.00	43	15.00	41	16.00	31	17.00	25	19.00	16	24.00
1933	3.70	14	5.70	28	9.00	37	13.00	44	16.00	42	19.00	40	20.00	36	24.00	32	41.00
1934	4.20	16	5.10	22	9.70	40	13.00	45	16.00	43	31.00	47	37.00	46	55.00	50	91.00
1935	8.00	42	12.00	48	12.00	46	14.00	46	16.00	44	23.00	44	27.00	40	36.00	42	62.00
1936	5.20	25	5.50	24	6.20	22	6.40	19	8.50	22	15.00	28	18.00	28	23.00	27	46.00
1937	3.00	11	3.90	11	4.70	13	5.30	13	7.00	14	13.00	24	16.00	20	18.00	14	23.00
1938	5.10	24	5.20	23	5.50	19	5.70	16	7.90	16	13.00	25	21.00	37	29.00	40	70.00
1939	8.00	43	15.00	50	21.00	53	29.00	54	39.00	54	65.00	56	91.00	56	97.00	56	135.00
1940	7.00	36	7.40	35	8.60	35	9.60	33	13.00	38	17.00	35	19.00	32	24.00	28	35.00
1941	9.60	46	9.70	44	10.00	41	11.00	40	12.00	32	17.00	36	18.00	29	25.00	33	44.00
1942	7.20	38	7.90	40	10.00	42	11.00	41	13.00	39	19.00	41	20.00	33	22.00	23	28.00
1943	4.50	21	4.70	18	5.20	18	6.70	21	8.40	19	9.50	10	13.00	10	19.00	17	44.00
1944	2.30	5	2.40	4	3.60	8	6.10	17	11.00	29	18.00	39	23.00	38	22.00	24	57.00
1945	7.00	37	7.10	33	12.00	47	14.00	47	17.00	47	21.00	43	52.00	52	51.00	49	65.00
1946	17.00	54	19.00	54	20.00	51	21.00	51	28.00	52	32.00	48	37.00	47	45.00	46	81.00
1947	4.60	22	4.70	19	5.10	17	6.30	18	8.50	20	11.00	19	17.00	26	24.00	29	34.00
1948	4.80	23	4.80	20	4.90	15	5.40	14	6.00	12	10.00	15	17.00	27	24.00	30	28.00
1949	5.80	32	5.80	30	6.00	20	9.40	32	12.00	33	13.00	20	16.00	21	19.00	18	30.00
1950	5.60	30	5.70	29	7.80	30	9.70	34	12.00	34	14.00	26	15.00	17	19.00	19	24.00
1951	8.80	45	8.90	42	9.40	38	9.70	35	14.00	40	17.00	37	28.00	41	26.00	36	46.00
1952	23.00	56	25.00	55	27.00	55	36.00	55	42.00	55	47.00	55	53.00	53	60.00	53	86.00
1953	4.40	19	4.50	15	4.60	11	4.70	9	5.90	11	11.00	16	14.00	14	14.00	8	19.00
1954	3.60	13	4.30	12	6.70	26	7.70	27	8.60	23	9.60	11	12.00	6	11.00	4	21.00
1955	7.60	40	7.80	38	8.10	33	8.90	29	12.00	35	16.00	32	30.00	43	50.00	48	88.00
1956	5.50	27	5.60	25	6.00	21	6.60	20	8.30	18	32.00	49	41.00	48	44.00	45	64.00
1957	4.40	20	4.50	16	4.70	14	5.00	12	5.50	8	8.10	8	13.00	11	14.00	9	25.00
1958	4.20	17	4.30	13	4.60	12	4.90	11	5.60	9	6.50	3	8.10	4	11.00	5	25.00
1959	5.50	28	5.70	26	6.40	24	7.40	22	8.50	21	10.00	12	13.00	12	14.00	10	30.00
1960	7.60	41	7.80	39	8.00	31	10.00	36	11.00	30	15.00	29	17.00	22	22.00	25	42.00
1961	9.80	47	9.90	45	10.00	43	12.00	42	13.00	36	17.00	33	32.00	44	65.00	54	86.00
1962	10.00	50	10.00	46	10.00	44	10.00	37	13.00	37	18.00	38	19.00	30	20.00	20	32.00

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STATION NUMBER 01157000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
ASHUELOT RIVER NEAR GILSUM, NH

YEAR	1		3		7		14		30		60		90		120		183	
1963	8.40	44	8.60	41	8.90	36	9.00	30	9.20	25	16.00	30	16.00	18	18.00	15	57.00	36
1964	2.40	7	2.50	5	2.80	4	3.50	5	4.30	4	7.20	6	6.90	3	7.50	2	30.00	19
1965	2.30	6	2.30	3	2.40	2	2.50	2	2.70	1	3.20	1	3.60	1	3.80	1	5.40	1
1966	2.20	4	2.20	1	2.20	1	2.30	1	3.00	2	3.80	2	4.40	2	7.90	3	16.00	2
1967	2.10	2	2.20	2	2.60	3	3.20	3	3.80	3	7.50	7	17.00	23	22.00	21	59.00	37
1968	4.20	18	4.40	14	5.00	16	5.40	15	7.10	15	11.00	17	16.00	19	25.00	34	40.00	26
1969	2.60	8	3.10	8	3.40	7	3.60	6	4.80	5	8.70	9	12.00	7	22.00	22	63.00	39
1970	9.90	48	12.00	49	14.00	49	15.00	49	18.00	48	33.00	50	41.00	49	48.00	47	68.00	42
1971	2.20	3	2.50	6	3.00	5	3.50	4	5.20	6	7.10	5	9.50	5	13.00	6	30.00	20
1972	3.50	12	3.70	10	4.00	9	4.60	8	6.40	13	11.00	18	13.00	8	13.00	7	19.00	5
1973	2.60	9	2.80	7	3.30	6	4.10	7	5.30	7	6.70	4	15.00	15	23.00	26	71.00	45
1974	5.30	26	5.70	27	7.00	28	8.00	28	8.90	24	10.00	13	19.00	31	26.00	37	71.00	46
1975	2.80	10	3.20	9	4.50	10	4.80	10	5.80	10	14.00	27	20.00	34	28.00	39	47.00	34
1976	6.90	35	7.30	34	8.10	32	10.00	38	25.00	49	34.00	51	53.00	54	68.00	55	115.00	55
1977	16.00	53	17.00	52	20.00	52	21.00	50	27.00	51	39.00	52	56.00	55	56.00	51	68.00	43
1978	5.60	29	6.10	32	6.90	27	7.50	25	10.00	26	13.00	21	17.00	24	30.00	41	104.00	54
1979	7.30	39	7.50	36	7.60	29	7.70	26	8.00	17	10.00	14	13.00	9	15.00	11	20.00	7

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STATION NUMBER 01157000

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
ASHUELOT RIVER NEAR GILSUM, NH

NUMBER OF DAYS IN CLASS

CLASS / YEAR	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1963			1	5	24	13	14	15	9	10	7	5	5	23	36	33	30	23
1964			7	23	26	20	27	14	9	9	14	8	5	19	11	25	16	21
1965			17	25	36	36	29	34	13	11	11	14	14	20	29	12	16	13
1966			8	7	10	5	8	4	4	9	8	10	21	43	35	25	25	29
1967						8	8	4	7	7	7	6	8	22	40	30	50	46
1968				2	11	6	14	11	9	10	11	15	12	23	43	34	22	26
1969									5	3	23	16	21	18	10	51	38	22
1970			2	3	12	7	9	14	12	10	14	7	34	11	11	17	22	22
1971					10	10	4	7	13	18	25	15	11	28	46	27	22	28
1972				4	8	7	13	18	8	2	11	13	17	14	11	28	20	35
1973							8	6	18	14	6	11	18	7	10	11	22	24
1974				3	4	5	8	6	11	33	8	6	15	28	23	24	16	17
1975								4	5	6	11	7	14	22	19	21	38	41
1976											1	7	29	16	16	15	21	25
1977							5	13	7	11	15	16	9	17	61	20	29	27
1978								22	19	8	4	32	6	6	7	27	24	21

CLASS / YEAR	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
1963	17	18	12	17	9	11	9	6	5	6	2						
1964	16	19	14	10	13	8	16	10	1	2	1	1	1				
1965	5	7	5	3	6	2	1	4	2								
1966	20	16	24	22	14	13	2		1	2							
1967	28	11	10	14	11	12	12	13	4	4	1	2					
1968	19	30	16	8	9	8	7	12	1	1	4	2					
1969	36	26	21	14	17	10	6	5	3	7	6	6		1			
1970	21	25	23	16	19	18	6	7	13	6	4						
1971	26	17	9	3	3	11	3	15	5	8	1						
1972	27	28	22	17	11	10	11	8	8	7	7	1					
1973	27	26	29	22	23	31	18	14	10	4	3	2	1				
1974	15	31	26	21	17	18	9	8	5	2	4			1	1		
1975	43	31	13	23	21	13	14	8	5	4	2						
1976	33	23	54	41	34	23	7	11	2	2	3	3					
1977	20	22	24	14	15	12	7	5	7	3	1	2	1	1	1		
1978	29	25	27	25	15	28	11	14	9	4	1	1					

CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	20454	100.0
1	1.50	1	20454	100.0
2	2.00	37	20453	100.0
3	2.60	74	20416	99.8
4	3.20	148	20342	99.5
5	4.10	202	20194	98.7
6	5.20	324	19992	97.7
7	6.60	409	19668	96.2
8	8.30	442	19259	94.2
9	10.00	725	18817	92.0
10	13.00	1023	18092	88.5
11	17.00	965	17069	83.5

CLASS	VALUE	TOTAL	ACCUM	PERCT
12	21.0	1348	16104	78.7
13	27.0	1211	14756	72.1
14	34.0	1457	13545	66.2
15	43.0	1521	12088	59.1
16	54.0	1574	10567	51.7
17	69.0	1452	8993	44.0
18	87.0	1247	7541	36.9
19	110.0	1105	6294	30.8
20	140.0	1090	5189	25.4
21	180.0	814	4099	20.0
22	220.0	834	3285	16.1
23	280.0	754	2451	12.0

CLASS	VALUE	TOTAL	ACCUM	PERCT
24	360	528	1697	8.2
25	450	434	1169	5.7
26	570	301	735	3.5
27	720	188	434	2.1
28	910	140	246	1.2
29	1200	65	106	.5
30	1500	22	41	.2
31	1900	9	19	
32	2300	6	10	
33	3000	3	4	
34	3800	1	1	

VALUE EXCEEDED "P" PERCENT OF TIME

V95 = 7.60
V90 = 12.00
V75 = 24.00
V70 = 30.00
V50 = 57.00
V25 = 140.00
V10 = 320.00

STATION NUMBER 01158000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
ASHUELOT RIVER BL SURRY MT DAM, NR KEENE, NH

YEAR	1		3		7		14		30		60		90		120		183
1947	7.30	25	7.40	22	8.00	21	9.70	20	13.00	19	17.00	17	24.00	20	33.00	19	42.00
1948	4.10	14	4.40	13	8.10	22	8.70	14	9.40	11	13.00	9	19.00	10	28.00	14	36.00
1949	0.80	3	0.80	2	4.80	10	12.00	26	13.00	20	15.00	13	19.00	11	22.00	10	37.00
1950	8.50	29	9.10	26	12.00	27	13.00	27	17.00	25	20.00	22	21.00	14	28.00	15	37.00
1951	2.60	9	14.00	31	15.00	31	16.00	29	20.00	28	23.00	25	38.00	26	35.00	22	62.00
1952	30.00	33	35.00	33	42.00	33	57.00	33	65.00	33	72.00	33	82.00	33	93.00	31	122.00
1953	7.60	26	7.80	23	9.60	24	10.00	21	12.00	16	14.00	10	18.00	8	23.00	11	27.00
1954	2.80	10	3.60	8	6.60	16	9.20	19	11.00	14	12.00	7	16.00	7	15.00	3	29.00
1955	2.40	8	9.10	27	9.70	25	11.00	25	17.00	26	24.00	26	44.00	27	71.00	29	115.00
1956	1.00	4	1.10	3	6.20	14	7.30	11	9.90	12	36.00	29	49.00	28	52.00	27	107.00
1957	5.70	22	6.90	20	7.60	19	8.70	15	9.10	10	13.00	8	20.00	12	21.00	9	35.00
1958	4.80	17	5.00	15	5.40	11	5.90	7	7.40	7	9.00	3	11.00	3	15.00	4	34.00
1959	4.50	16	4.70	14	5.60	12	10.00	22	13.00	21	17.00	18	20.00	13	23.00	12	44.00
1960	7.80	28	8.30	24	8.40	23	9.10	18	13.00	22	21.00	23	23.00	15	31.00	18	57.00
1961	1.90	6	2.50	6	2.80	4	10.00	23	17.00	27	32.00	28	58.00	30	104.00	33	131.00
1962	5.40	21	5.70	18	6.90	17	7.20	10	13.00	23	21.00	24	24.00	21	25.00	13	42.00
1963	2.40	7	3.30	7	4.30	6	8.80	16	12.00	17	19.00	21	24.00	22	29.00	16	83.00
1964	1.10	5	1.10	4	1.19	2	2.40	2	6.00	3	9.40	4	13.00	4	16.00	5	37.00
1965	0.40	1	2.30	5	2.40	3	2.70	3	4.00	1	4.20	1	4.60	1	9.30	1	8.80
1966	0.60	2	0.60	1	0.67	1	1.50	1	4.30	2	5.30	2	6.70	2	12.00	2	25.00
1967	3.80	11	4.00	10	4.60	9	5.30	6	6.20	4	11.00	6	23.00	16	30.00	17	81.00
1968	6.80	24	7.40	21	8.00	20	8.40	13	11.00	15	16.00	14	24.00	17	35.00	23	55.00
1969	4.10	15	4.10	11	4.30	7	4.90	5	6.90	5	16.00	15	25.00	23	34.00	20	96.00
1970	16.00	32	16.00	32	16.00	32	16.00	30	22.00	30	44.00	31	53.00	29	72.00	30	112.00
1971	3.80	12	3.80	9	3.90	5	4.70	4	7.00	6	10.00	5	15.00	5	20.00	8	43.00
1972	4.10	13	4.30	12	4.60	8	6.10	8	8.70	9	15.00	11	16.00	6	18.00	6	25.00
1973	5.00	18	5.20	16	6.40	15	9.00	17	13.00	18	15.00	12	24.00	18	35.00	21	100.00
1974	9.70	30	11.00	28	13.00	28	15.00	28	21.00	29	29.00	27	33.00	25	41.00	25	95.00
1975	5.20	19	5.30	17	5.70	13	6.50	9	7.50	8	18.00	19	30.00	24	41.00	26	68.00
1976	13.00	31	13.00	30	15.00	29	20.00	32	48.00	32	58.00	32	79.00	32	98.00	32	168.00
1977	6.10	23	12.00	29	15.00	30	19.00	31	29.00	31	42.00	30	65.00	31	70.00	28	83.00
1978	7.60	27	8.50	25	10.00	26	11.00	24	15.00	24	18.00	20	24.00	19	39.00	24	130.00
1979	5.20	20	6.20	19	7.10	18	7.90	12	10.00	13	17.00	16	19.00	9	18.00	7	24.00

STATION NUMBER 01158000

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
ASHUELOT RIVER BL SURRY MT DAM, NR KEENE, NH

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PE
0	0,00	0	12418	100,0	12	5,8	157	12066	97,3	24	110	867	5202	4
1	0,30	1	12418	100,0	13	7,4	327	11929	96,1	25	140	791	4335	3
2	0,50	3	12417	100,0	14	9,5	301	11602	93,4	26	180	710	3544	2
3	0,70	3	12414	100,0	15	12,0	391	11301	91,0	27	230	546	2834	2
4	0,80	8	12411	99,9	16	15,0	668	10910	87,9	28	290	508	2288	1
5	1,10	11	12403	99,9	17	20,0	477	10242	82,5	29	370	380	1780	1
6	1,40	6	12392	99,8	18	25,0	582	9765	78,6	30	470	416	1400	1
7	1,70	10	12386	99,7	19	32,0	632	9183	73,9	31	600	434	984	
8	2,20	21	12376	99,7	20	41,0	662	8551	68,9	32	760	381	550	
9	2,80	24	12355	99,5	21	52,0	852	7889	63,5	33	970	166	169	
10	3,60	118	12331	99,3	22	67,0	865	7037	56,7	34	1200	3	3	
11	4,60	127	12213	98,3	23	85,0	970	6172	49,7					

VALUE EXCEEDED "P" PERCENT OF TIME

V95 = 8,20
V90 = 13,00
V75 = 30,00
V70 = 39,00
V50 = 84,00
V25 = 210,00
V10 = 520,00

STATION NUMBER 01158500

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
OTTER BROOK NEAR KEENE, NH

YEAR	1	3	7	14	30	60	90	120	183
1925	2.20 9	2.20 9	2.30 7	2.40 6	3.00 5	8.80 17	12.00 20	13.00 18	15.00 11
1926	3.50 15	3.80 15	4.20 15	5.70 18	8.60 24	10.00 21	11.00 18	12.00 14	17.00 13
1927	6.40 29	6.60 26	7.30 28	8.10 28	8.60 25	10.00 22	14.00 22	19.00 23	28.00 21
1928	5.70 26	8.00 32	10.00 32	10.00 31	16.00 30	18.00 30	22.00 28	23.00 26	39.00 26
1929	6.30 28	6.60 27	6.70 26	6.90 23	17.00 31	27.00 32	27.00 31	30.00 30	33.00 25
1930	1.90 5	2.00 5	2.10 5	2.60 7	4.80 10	6.90 10	7.90 9	8.10 6	10.00 2
1931	5.30 23	5.90 25	6.50 25	7.10 24	7.80 20	8.50 16	10.00 14	11.00 13	12.00 7
1932	4.80 18	5.10 20	6.30 23	7.90 27	9.40 26	10.00 23	11.00 15	13.00 15	18.00 14
1933	5.50 24	5.70 23	6.40 24	7.70 26	8.10 22	10.00 24	12.00 19	13.00 16	23.00 18
1934	6.10 27	6.70 28	8.30 29	8.80 29	9.60 27	14.00 26	18.00 25	27.00 29	47.00 30
1935	7.00 30	7.00 29	7.00 27	7.20 25	7.80 21	11.00 25	15.00 23	18.00 21	28.00 19
1936	7.00 31	7.30 30	8.40 30	9.60 30	12.00 28	16.00 27	17.00 24	19.00 22	30.00 22
1937	2.00 6	2.00 6	3.70 13	5.30 15	5.90 14	7.40 13	9.00 11	9.30 8	14.00 8
1938	5.60 25	5.70 24	6.20 22	6.60 21	7.20 18	9.80 18	13.00 21	21.00 24	47.00 31
1939	13.00 34	14.00 34	16.00 34	19.00 34	23.00 34	44.00 34	62.00 34	79.00 34	80.00 34
1940	4.80 19	4.90 18	5.10 17	5.50 16	6.80 17	8.00 15	9.80 13	10.00 10	16.00 12
1941	5.10 22	5.30 22	5.40 18	5.70 17	6.20 15	7.60 14	7.40 8	11.00 11	21.00 17
1942	4.10 16	4.10 16	4.30 16	4.60 13	5.30 13	5.80 9	6.70 6	7.80 5	10.00 3
1943	5.00 20	5.10 19	5.50 19	5.90 20	6.70 16	7.30 11	9.20 12	14.00 19	28.00 20
1944	3.00 12	3.00 12	3.20 11	4.40 12	4.90 11	7.40 12	11.00 16	11.00 12	31.00 23
1945	4.70 17	4.90 17	5.70 20	5.80 19	7.80 19	10.00 19	32.00 32	33.00 31	43.00 27
1946	7.50 32	8.00 31	8.40 31	11.00 32	17.00 32	18.00 31	19.00 26	25.00 27	44.00 28
1947	5.00 21	5.20 21	5.70 21	6.70 22	8.50 23	10.00 20	11.00 17	14.00 20	15.00 9
1948	2.60 11	2.80 11	3.00 10	3.40 10	3.60 7	4.70 5	6.30 5	9.50 9	19.00 16
1949	2.10 7	2.10 7	2.30 6	2.30 5	2.70 4	2.90 2	4.40 3	6.10 3	15.00 10
1950	3.40 14	3.60 14	3.70 12	4.00 11	4.90 12	5.50 6	6.10 4	7.20 4	10.00 4
1951	2.20 8	2.20 8	2.40 8	2.80 9	3.60 8	5.70 8	21.00 27	22.00 25	31.00 24
1952	10.00 33	11.00 33	13.00 33	19.00 33	23.00 33	29.00 33	32.00 33	35.00 32	46.00 29
1953	2.30 10	2.40 10	2.50 9	2.60 8	3.40 6	5.60 7	6.90 7	8.60 7	12.00 5
1954	1.10 1	1.19 2	1.19 1	1.50 3	1.70 1	1.90 1	3.90 1	4.00 1	9.90 1
1955	3.30 13	3.50 13	3.80 14	4.80 14	13.00 29	17.00 28	26.00 30	39.00 33	50.00 33
1956	1.40 4	1.50 4	1.70 4	2.00 4	3.70 9	18.00 29	25.00 29	26.00 28	51.00 32
1957	1.19 3	1.30 3	1.30 3	1.40 1	2.00 2	4.60 4	8.60 10	13.00 17	18.00 15
1958	1.10 2	1.10 1	1.19 2	1.40 2	2.20 3	3.60 3	4.30 2	4.80 2	12.00 6

STATION NUMBER 01158500

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
OTTER BROOK NEAR KEENE, NH

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.0	0	12419	100.0	12	14.0	604	9371	75.5	24	220.0	288	817	6.5
1	1.0	21	12419	100.0	13	17.0	786	8767	70.6	25	280.0	205	529	4.2
2	1.4	42	12398	99.8	14	22.0	792	7981	64.3	26	350.0	128	324	2.6
3	1.7	58	12356	99.5	15	28.0	861	7189	57.9	27	440.0	100	196	1.5
4	2.2	109	12298	99.0	16	35.0	908	6328	51.0	28	550.0	41	96	.7
5	2.8	112	12189	98.1	17	44.0	896	5420	43.6	29	690.0	26	55	.4
6	3.5	199	12077	97.2	18	55.0	861	4524	36.4	30	870.0	16	29	.2
7	4.4	243	11878	95.6	19	69.0	743	3663	29.5	31	1100.0	7	13	.1
8	5.5	453	11635	93.7	20	87.0	662	2920	23.5	32	1400.0	1	6	
9	6.9	569	11182	90.0	21	110.0	586	2258	18.2	33	1700.0	4	5	
10	8.7	551	10613	85.5	22	140.0	423	1672	13.5	34	2200.0	1	1	
11	11.0	691	10062	81.0	23	170.0	432	1249	10.1					

VALUE EXCEEDED "P" PERCENT OF TIME

V95 = 4.8
V90 = 6.9
V75 = 14.0
V70 = 17.0
V50 = 36.0
V25 = 83.0
V10 = 170.0

STATION NUMBER 01158600

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
OTTER BROOK BELOW OTTER BROOK DAM, NR KEENE, NH

YEAR	1	3	7	14	30	60	90	120	183
1960	0.40 2	3.80 13	4.00 13	5.10 13	7.80 13	13.00 15	16.00 14	16.00 13	31.00 11
1961	3.20 14	4.30 14	4.90 14	5.70 14	9.60 16	11.00 13	22.00 16	39.00 19	55.00 19
1962	2.00 8	2.10 7	2.30 7	2.60 6	4.70 8	9.00 11	13.00 11	13.00 9	17.00 6
1963	2.30 13	2.50 12	3.30 12	4.20 11	8.00 15	13.00 16	24.00 17	23.00 16	46.00 15
1964	1.40 6	1.40 5	1.40 4	1.50 3	1.60 2	1.90 2	2.30 2	2.90 2	11.00 2
1965	0.30 1	0.30 1	0.30 1	0.32 1	0.35 1	0.79 1	1.19 1	1.40 1	2.30 1
1966	0.50 3	0.50 2	0.57 2	0.96 2	2.20 3	2.60 3	3.40 3	6.30 3	12.00 3
1967	1.10 5	1.30 4	1.60 5	1.70 4	3.00 4	4.30 4	5.90 4	7.80 4	25.00 10
1968	7.60 20	7.90 20	10.00 20	16.00 20	21.00 20	22.00 19	26.00 19	31.00 17	38.00 12
1969	2.10 12	2.10 8	2.30 8	2.80 8	3.70 7	5.90 6	7.50 5	9.60 6	43.00 14
1970	5.50 19	5.60 19	6.10 19	8.20 18	13.00 18	19.00 18	24.00 18	33.00 18	51.00 18
1971	0.89 4	1.10 3	1.40 3	2.10 5	3.00 5	4.60 5	7.50 6	9.70 7	18.00 7
1972	2.00 9	2.30 9	2.60 9	3.40 9	5.70 10	7.60 10	8.40 7	8.80 5	12.00 4
1973	2.10 10	2.30 10	2.80 10	4.70 12	5.40 9	7.00 7	8.70 8	14.00 10	42.00 13
1974	4.90 18	5.00 17	5.60 17	6.10 16	7.00 12	7.30 9	15.00 12	19.00 14	49.00 17
1975	1.60 7	1.90 6	2.00 6	2.70 7	3.60 6	7.10 8	12.00 10	17.00 11	25.00 8
1976	4.20 15	5.00 18	6.10 18	9.60 19	20.00 19	24.00 20	31.00 20	46.00 20	74.00 20
1977	4.20 16	4.50 15	5.30 16	5.80 15	7.90 14	14.00 17	19.00 15	18.00 12	25.00 9
1978	4.90 17	4.90 16	5.00 15	6.60 17	10.00 17	12.00 14	16.00 13	19.00 15	48.00 16
1979	2.10 11	2.40 11	3.10 11	4.00 10	6.50 11	9.20 12	10.00 9	11.00 8	13.00 5

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STATION NUMBER 01158600

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
OTTER BROOK BELOW OTTER BROOK DAM, NR KEENE, NH

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0,00	0	7670	100,0	12	3,9	146	7133	93,0	24	63	533	2634	34,3
1	0,20	17	7670	100,0	13	4,9	177	6987	91,1	25	79	406	2101	27,3
2	0,40	13	7653	99,8	14	6,1	224	6810	88,8	26	99	421	1695	22,0
3	0,50	11	7640	99,6	15	7,7	305	6586	85,9	27	130	257	1274	16,6
4	0,60	12	7629	99,5	16	9,8	219	6281	81,9	28	160	212	1017	13,2
5	0,80	14	7617	99,3	17	12,0	403	6062	79,0	29	200	171	805	10,4
6	1,00	15	7603	99,1	18	16,0	341	5659	73,8	30	250	179	634	8,2
7	1,20	34	7588	98,9	19	20,0	502	5318	69,3	31	320	189	455	5,9
8	1,50	90	7554	98,5	20	25,0	504	4816	62,8	32	400	158	266	3,4
9	1,90	83	7464	97,3	21	31,0	510	4312	56,2	33	510	106	108	1,4
10	2,40	120	7381	96,2	22	39,0	625	3802	49,6	34	640	2	2	
11	3,10	128	7261	94,7	23	50,0	643	3177	41,4					

VALUE EXCEEDED "P" PERCENT OF TIME

V95 = 3,00
V90 = 5,50
V75 = 15,00
V70 = 19,00
V50 = 38,00
V25 = 88,00
V10 = 210,00

STATION NUMBER 01160000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND

MEAN

S BR ASHUELOT RIVER AT WEBB, NR MARLBOROUGH, NH

YEAR	1	3	7	14	30	60	90	120	183
1922	3.00 35	3.00 31	3.00 25	3.00 19	3.50 13	5.60 17	6.30 13	7.60 13	12.00 9
1923	5.80 52	8.10 56	9.60 55	10.00 54	16.00 53	26.00 55	28.00 54	28.00 50	35.00 46
1924	2.70 32	2.80 30	3.80 35	5.10 42	5.80 33	7.80 30	8.50 23	10.00 23	20.00 29
1925	1.19 8	1.40 10	1.80 7	2.20 6	3.20 10	4.30 12	8.30 21	12.00 30	13.00 10
1926	1.00 5	1.10 5	1.60 5	2.20 7	4.40 19	5.20 14	7.10 18	7.90 15	14.00 17
1927	0.40 1	0.40 1	0.50 1	2.00 4	3.00 8	3.50 7	5.20 9	7.10 10	16.00 21
1928	1.19 9	1.30 7	5.00 44	7.40 46	15.00 52	19.00 52	23.00 51	23.00 47	35.00 47
1929	3.00 36	5.30 48	6.40 50	9.60 52	20.00 55	26.00 53	26.00 52	28.00 51	42.00 52
1930	0.80 3	1.10 6	1.60 6	2.40 10	2.80 7	3.80 8	5.30 10	6.50 7	8.20 2
1931	1.00 6	1.00 3	1.10 2	1.90 3	2.10 3	2.70 1	4.50 6	7.60 14	11.00 7
1932	2.00 23	3.80 39	4.20 38	4.90 39	5.80 34	7.30 25	9.10 27	9.30 18	13.00 11
1933	0.90 4	1.00 4	1.10 3	1.60 2	1.90 1	2.80 4	4.70 8	6.60 8	18.00 25
1934	1.50 14	1.70 11	3.30 29	3.90 25	4.50 20	6.00 19	8.90 26	16.00 39	30.00 40
1935	1.60 15	1.80 14	1.90 8	2.30 8	3.20 9	6.00 20	12.00 40	15.00 36	26.00 37
1936	4.70 49	4.70 45	5.10 45	5.40 43	6.60 39	11.00 41	11.00 33	13.00 33	20.00 30
1937	1.60 16	1.70 12	2.20 12	2.80 16	3.80 15	4.20 10	4.60 7	5.10 6	8.80 3
1938	1.90 20	2.00 20	3.20 26	4.10 28	4.90 25	6.60 23	7.00 17	11.00 24	27.00 39
1939	3.00 37	5.90 51	13.00 57	14.00 56	19.00 54	49.00 57	63.00 57	64.00 57	78.00 57
1940	2.20 26	2.30 24	2.50 17	3.20 20	4.90 26	9.60 38	11.00 34	9.90 20	15.00 19
1941	1.90 21	2.20 23	2.90 24	4.70 37	4.80 23	6.00 21	6.70 15	10.00 21	21.00 32
1942	1.70 18	1.80 15	2.50 18	3.30 21	5.00 27	7.90 31	7.80 19	11.00 25	13.00 12
1943	4.10 47	5.60 49	7.60 51	8.50 51	14.00 51	15.00 48	20.00 48	25.00 49	32.00 42
1944	1.19 7	1.90 18	2.30 13	2.70 13	4.30 18	5.70 18	12.00 35	12.00 31	26.00 38
1945	1.30 10	1.40 8	3.20 27	3.90 26	4.80 24	8.60 37	20.00 49	20.00 44	25.00 36
1946	7.20 55	7.40 55	7.80 53	11.00 55	12.00 48	14.00 45	15.00 42	22.00 46	37.00 48
1947	5.30 51	5.60 50	6.30 48	7.50 47	13.00 49	14.00 46	16.00 43	17.00 42	20.00 31
1948	1.30 11	1.40 9	2.80 22	3.80 23	5.60 30	6.60 24	6.80 16	9.10 17	17.00 22
1949	2.10 24	2.10 21	2.50 19	2.70 14	3.70 14	4.20 11	5.90 12	7.40 11	17.00 23
1950	1.60 17	1.80 16	2.00 9	2.70 15	3.90 16	5.40 16	8.60 24	11.00 26	13.00 13
1951	3.00 38	3.40 36	3.60 30	3.90 24	5.60 31	7.40 26	12.00 36	12.00 32	19.00 26
1952	9.10 57	9.40 57	12.00 56	18.00 57	22.00 56	26.00 54	30.00 55	31.00 53	39.00 50
1953	2.10 25	2.40 25	3.20 28	4.40 34	5.90 35	7.40 27	8.10 20	8.80 16	14.00 18
1954	2.40 28	2.40 26	2.40 15	2.50 12	2.60 6	2.90 5	4.40 5	4.60 3	11.00 8
1955	4.00 45	4.30 43	5.30 46	7.60 48	14.00 50	16.00 49	23.00 50	33.00 54	44.00 53
1956	2.70 33	3.30 33	4.00 36	4.30 31	4.70 22	17.00 51	28.00 53	30.00 52	46.00 54
1957	2.50 29	3.30 34	4.50 41	4.90 38	5.30 28	7.60 29	10.00 31	11.00 27	17.00 24
1958	1.90 19	2.00 19	2.30 14	2.40 11	2.50 4	3.10 6	3.40 3	4.60 4	13.00 14
1959	4.10 46	4.40 44	5.00 42	5.90 45	6.70 40	11.00 42	12.00 37	16.00 40	19.00 27
1960	6.20 53	6.20 52	6.40 49	7.60 49	10.00 47	15.00 47	18.00 46	20.00 45	32.00 43

STATION NUMBER 01160000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND

MEAN

S BR ASHUELOT RIVER AT WEBB, NR MARLBOROUGH, NH

YEAR	1		3		7		14		30		60		90		120		18
1961	1,40	12	1,90	17	2,70	20	4,30	32	8,10	45	13,00	44	17,00	45	24,00	48	34,
1962	3,80	43	3,90	40	4,40	39	4,70	35	6,80	42	8,20	34	8,50	22	10,00	22	14,
1963	3,00	34	3,20	32	3,70	32	4,10	27	5,60	32	9,90	39	9,20	28	11,00	28	23,
1964	2,60	31	2,60	28	2,90	23	2,90	17	3,30	11	3,90	9	4,30	4	5,00	5	10,
1965	2,00	22	2,10	22	2,10	11	2,20	5	2,50	5	2,70	2	2,90	1	3,30	1	4,
1966	2,50	30	2,60	29	2,70	21	3,40	22	4,50	21	5,30	15	6,40	14	6,80	9	9,
1967	0,70	2	0,87	2	1,10	4	1,50	1	2,00	2	2,70	3	3,00	2	3,60	2	11,
1968	3,30	39	3,40	35	3,70	33	4,30	33	6,20	37	8,00	32	9,60	29	12,00	29	23,
1969	1,50	13	1,70	13	2,00	10	2,30	9	3,30	12	4,40	13	5,50	11	7,40	12	31,
1970	7,30	56	7,30	53	7,60	52	8,40	50	8,90	46	16,00	50	20,00	47	37,00	55	46,
1971	3,40	40	3,50	37	3,60	31	4,20	29	5,90	36	7,40	28	8,60	25	9,70	19	14,
1972	3,70	42	3,90	41	4,40	40	5,00	40	7,50	44	12,00	43	14,00	41	15,00	37	16,
1973	3,90	44	4,00	42	4,20	37	4,70	36	5,50	29	8,10	33	10,00	30	17,00	41	37,
1974	3,50	41	3,70	38	3,80	34	4,30	30	6,60	38	8,40	35	11,00	32	14,00	34	34,
1975	2,30	27	2,40	27	2,50	16	2,90	18	4,00	17	6,50	22	12,00	38	15,00	35	23,
1976	6,80	54	7,40	54	8,50	54	10,00	53	22,00	57	35,00	56	44,00	56	48,00	56	71,
1977	4,60	48	4,80	46	5,50	47	5,80	44	7,00	43	11,00	40	16,00	44	16,00	38	19,
1978	4,80	50	4,90	47	5,00	43	5,10	41	6,70	41	8,40	36	12,00	39	18,00	43	40,

19[illegible] 4 12 12 18 9 17 15 12 18 29 46 31 44 30 16 15 14 11 8 2 1
[illegible] 2 9 12 17 23 14 20 20 18 18 13 23 35 42 39 28 11 4 4 7 3 1 1 1
1[illegible]5 1 7 16 34 30 18 25 52 50 29 31 26 12 12 7 8 3 3 1

1976 1 7 13 23 18 24 10 10 6 18 36 46 54 32 19 21 13 9 4 2 1
1977 14 10 19 46 65 34 31 24 13 18 24 18 15 5 6 9 2 7 4 1
1978 6 19 29 14 9 12 8 8 23 21 28 40 34 36 25 15 13 10 11 1 2 1

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	21184	100.0	12	7.1	1060	17961	84.8	24	160	585	1739	8.2
1	0.30	3	21184	100.0	13	9.3	947	16901	79.8	25	210	475	1154	5.4
2	0.50	15	21181	100.0	14	12.0	1572	15954	75.3	26	280	303	679	3.2
3	0.70	6	21166	99.9	15	16.0	1206	14382	67.9	27	360	198	376	1.7
4	0.90	44	21160	99.9	16	20.0	1624	13176	62.2	28	470	96	178	.8
5	1.10	107	21116	99.7	17	26.0	1682	11552	54.5	29	610	47	82	.3
6	1.50	110	21009	99.2	18	34.0	1859	9870	46.6	30	790	18	35	.1
7	1.90	255	20899	98.7	19	45.0	1708	8011	37.8	31	1000	11	17	
8	2.50	382	20644	97.5	20	58.0	1443	6303	29.8	32	1300	2	6	
9	3.20	509	20262	95.6	21	75.0	1365	4860	22.9	33	1700	3	4	
10	4.20	821	19753	93.2	22	98.0	1122	3495	16.5	34	2300	1	1	
11	5.50	971	18932	89.4	23	130.0	634	2373	11.2					

D.A. = 36 mi^2

VALUE EXCEEDED "P" PERCENT OF TIME

	Q	Q/mi^2
V95 =	3.50	0.0972
V90 =	5.30	0.147
V75 =	12.00	0.333
V70 =	15.00	0.417
V50 =	31.00	0.861
V25 =	70.00	1.94

	Q	Q/mi^2
V10 =	140.00	3.88

01160000

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STATION NUMBER 01161000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
ASHUELOT RIVER AT HINSDALE, NH

YEAR	1		3		7		14		30		60		90		120		183	
1908	81.00	56	94.00	56	115.00	57	127.00	59	157.00	58	210.00	58	257.00	58	351.00	61	504.00	64
1909	24.00	7	37.00	8	47.00	8	55.00	8	66.00	9	69.00	6	75.00	6	87.00	6	119.00	7
1910	29.00	13	43.00	13	54.00	12	56.00	9	65.00	7	93.00	18	94.00	11	101.00	10	107.00	2
1911	15.00	3	30.00	4	43.00	6	51.00	6	59.00	5	83.00	11	92.00	10	95.00	8	107.00	3
1916	56.00	32	84.00	52	118.00	60	124.00	58	133.00	52	246.00	61	254.00	57	288.00	55	440.00	56
1917	148.00	67	155.00	66	196.00	67	279.00	68	340.00	68	430.00	68	479.00	67	482.00	67	558.00	66
1918	34.00	17	80.00	49	93.00	50	93.00	43	106.00	42	128.00	41	153.00	39	204.00	47	196.00	24
1919	24.00	8	61.00	32	72.00	32	78.00	29	100.00	34	107.00	25	160.00	43	201.00	46	284.00	38
1920	32.00	15	40.00	11	56.00	13	80.00	30	104.00	39	118.00	34	148.00	34	159.00	31	279.00	37
1921	117.00	64	151.00	63	176.00	64	189.00	64	218.00	63	339.00	65	380.00	66	417.00	65	487.00	60
1922	54.00	30	59.00	29	80.00	39	101.00	49	145.00	54	165.00	50	188.00	51	215.00	49	324.00	46
1923	74.00	51	137.00	62	165.00	62	175.00	62	184.00	61	242.00	60	259.00	59	270.00	54	318.00	44
1924	15.00	4	58.00	25	88.00	45	102.00	50	121.00	49	144.00	47	154.00	40	160.00	32	265.00	34
1925	35.00	18	57.00	23	66.00	24	74.00	26	92.00	29	120.00	38	150.00	37	161.00	33	179.00	19
1926	42.00	22	72.00	41	118.00	61	133.00	60	148.00	56	165.00	51	182.00	49	195.00	43	237.00	31
1927	35.00	19	55.00	21	80.00	40	91.00	40	102.00	36	111.00	29	131.00	28	154.00	30	250.00	33
1928	24.00	9	73.00	42	105.00	54	118.00	55	159.00	59	200.00	57	214.00	52	220.00	50	357.00	48
1929	125.00	65	179.00	68	223.00	68	259.00	67	275.00	66	289.00	63	300.00	62	350.00	60	411.00	54
1930	12.00	1	43.00	14	56.00	14	71.00	22	84.00	23	89.00	16	95.00	12	99.00	9	117.00	5
1931	16.00	5	20.00	1	45.00	7	56.00	10	70.00	16	85.00	14	106.00	18	115.00	15	129.00	8
1932	16.00	6	43.00	15	71.00	29	94.00	44	103.00	37	111.00	30	116.00	23	130.00	20	160.00	16
1933	14.00	2	39.00	10	51.00	10	70.00	20	73.00	17	84.00	13	99.00	14	113.00	13	192.00	22
1934	27.00	11	41.00	12	66.00	25	80.00	31	101.00	35	118.00	35	165.00	45	244.00	52	384.00	52
1935	60.00	39	75.00	46	85.00	44	92.00	41	95.00	32	113.00	32	167.00	46	213.00	48	302.00	42
1936	78.00	52	86.00	54	93.00	51	98.00	47	111.00	45	133.00	44	152.00	38	174.00	37	267.00	35
1937	48.00	26	49.00	17	63.00	19	72.00	23	78.00	20	89.00	15	96.00	13	102.00	11	141.00	11
1938	58.00	36	68.00	36	92.00	48	95.00	45	106.00	43	129.00	42	149.00	35	190.00	41	379.00	49
1939	144.00	66	153.00	64	180.00	65	189.00	65	238.00	64	418.00	67	526.00	68	575.00	68	799.00	68
1940	64.00	42	74.00	44	81.00	41	93.00	42	103.00	38	125.00	40	131.00	29	135.00	24	189.00	20
1941	48.00	27	68.00	37	81.00	42	88.00	38	96.00	33	107.00	26	110.00	20	142.00	25	225.00	30
1942	67.00	45	71.00	39	75.00	35	83.00	32	88.00	26	102.00	24	105.00	16	131.00	21	159.00	14
1943	70.00	48	75.00	45	84.00	43	85.00	36	113.00	47	118.00	36	143.00	31	192.00	42	285.00	39
1944	56.00	33	66.00	34	71.00	30	83.00	33	87.00	25	108.00	27	144.00	32	146.00	28	319.00	45
1945	93.00	58	98.00	58	107.00	55	112.00	53	122.00	50	186.00	54	312.00	63	320.00	58	383.00	51
1946	108.00	63	153.00	65	165.00	63	178.00	63	202.00	62	215.00	59	221.00	53	290.00	56	418.00	55
1947	96.00	60	99.00	59	102.00	52	118.00	54	136.00	53	174.00	53	183.00	50	200.00	45	203.00	27
1948	69.00	46	71.00	40	72.00	33	72.00	24	77.00	19	93.00	17	110.00	21	146.00	29	207.00	28
1949	60.00	40	61.00	30	65.00	22	67.00	17	68.00	12	74.00	7	89.00	8	113.00	14	199.00	25
1950	42.00	23	56.00	22	58.00	15	65.00	13	69.00	13	83.00	12	92.00	9	116.00	16	146.00	12

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STATION NUMBER 01161000

LOWEST MEAN VALUE AND RANKING FOR THE FOLLOWING NUMBER OF CONSECUTIVE DAYS IN YEAR ENDING MARCH 31

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
ASHUELOT RIVER AT HINSDALE, NH

YEAR	1	3	7	14	30	60	90	120	183
1951	45.00 24	52.00 19	71.00 31	77.00 27	90.00 27	114.00 33	175.00 48	166.00 34	243.00 32
1952	155.00 68	164.00 67	182.00 66	236.00 66	290.00 67	350.00 66	360.00 64	374.00 63	483.00 58
1953	64.00 43	68.00 35	69.00 28	70.00 21	74.00 18	97.00 21	108.00 19	116.00 17	158.00 13
1954	29.00 12	38.00 9	53.00 11	66.00 15	70.00 14	76.00 9	105.00 17	109.00 12	168.00 17
1955	72.00 49	76.00 47	80.00 36	91.00 39	147.00 55	167.00 52	240.00 54	326.00 59	485.00 59
1956	59.00 37	59.00 26	67.00 26	74.00 25	92.00 28	250.00 62	284.00 61	316.00 57	502.00 63
1957	57.00 34	58.00 24	64.00 20	68.00 18	70.00 15	99.00 22	138.00 30	142.00 26	196.00 23
1958	25.00 10	27.00 2	34.00 2	43.00 4	50.00 3	56.00 3	59.00 2	69.00 2	135.00 9
1959	55.00 31	59.00 27	67.00 27	84.00 35	93.00 30	112.00 31	122.00 25	145.00 27	203.00 26
1960	73.00 50	76.00 48	80.00 37	88.00 37	111.00 46	135.00 45	146.00 33	168.00 36	297.00 41
1961	79.00 53	85.00 53	89.00 46	101.00 48	149.00 57	190.00 55	262.00 60	388.00 64	494.00 62
1962	70.00 47	73.00 43	80.00 38	83.00 34	105.00 40	111.00 28	119.00 24	129.00 19	169.00 18
1963	66.00 44	69.00 38	73.00 34	78.00 28	95.00 31	130.00 43	162.00 44	166.00 35	342.00 47
1964	36.00 20	36.00 6	39.00 5	44.00 5	65.00 8	65.00 5	69.00 5	74.00 3	140.00 10
1965	36.00 21	37.00 7	38.00 4	41.00 3	42.00 2	47.00 1	54.00 1	54.00 1	62.00 1
1966	33.00 16	34.00 5	35.00 3	40.00 2	51.00 4	56.00 4	61.00 3	77.00 4	111.00 4
1967	30.00 14	30.00 3	32.00 1	34.00 1	41.00 1	53.00 2	68.00 4	85.00 5	214.00 29
1968	81.00 57	91.00 55	105.00 53	107.00 52	119.00 48	149.00 48	171.00 47	197.00 44	308.00 43
1969	47.00 25	47.00 16	48.00 9	52.00 7	62.00 6	82.00 10	103.00 15	120.00 18	380.00 50
1970	105.00 62	107.00 61	115.00 58	123.00 57	176.00 60	191.00 56	250.00 56	357.00 62	525.00 65
1971	57.00 35	59.00 28	62.00 18	65.00 14	83.00 22	95.00 19	112.00 22	132.00 22	191.00 21
1972	60.00 38	61.00 31	65.00 21	67.00 16	86.00 24	122.00 39	130.00 26	132.00 23	163.00 15
1973	80.00 54	81.00 50	93.00 49	102.00 51	106.00 41	138.00 46	150.00 36	220.00 51	493.00 61
1974	81.00 55	84.00 51	92.00 47	95.00 46	109.00 44	120.00 37	157.00 41	181.00 38	400.00 53
1975	53.00 29	54.00 20	58.00 16	59.00 11	67.00 10	101.00 23	160.00 42	187.00 40	291.00 40
1976	100.00 61	104.00 60	116.00 59	136.00 61	250.00 65	310.00 64	374.00 65	456.00 66	719.00 67
1977	94.00 59	95.00 57	107.00 56	120.00 56	133.00 51	161.00 49	249.00 55	259.00 53	275.00 36
1978	61.00 41	64.00 33	66.00 23	66.00 19	81.00 21	95.00 20	131.00 27	183.00 39	462.00 57
1979	49.00 28	51.00 18	59.00 17	65.00 12	67.00 11	75.00 8	81.00 7	68.00 7	118.00 6

STATION NUMBER 01161000

DURATION TABLE OF DAILY VALUES FOR YEAR ENDING SEPTEMBER 30

DISCHARGE, IN CUBIC FEET PER SECOND
MEAN
ASHUELOT RIVER AT HINSDALE, NH

CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT	CLASS	VALUE	TOTAL	ACCUM	PERCT
0	0.00	0	25202	100.0	12	130.0	1554	20780	82.5	24	1700	831	2492	9.8
1	12.00	2	25202	100.0	13	160.0	1784	19226	76.3	25	2100	726	1661	6.5
2	15.00	8	25200	100.0	14	200.0	1745	17442	69.2	26	2600	542	935	3.7
3	18.00	10	25192	100.0	15	250.0	1754	15697	62.3	27	3300	210	393	1.5
4	23.00	17	25182	99.9	16	310.0	1783	13943	55.3	28	4100	100	183	.7
5	28.00	47	25165	99.9	17	380.0	1673	12160	48.3	29	5100	44	83	.3
6	35.00	143	25118	99.7	18	470.0	1583	10487	41.6	30	6300	23	39	.1
7	44.00	202	24975	99.1	19	580.0	1694	8904	35.3	31	7800	7	16	
8	54.00	473	24773	98.3	20	730.0	1413	7210	28.6	32	9700	3	9	
9	67.00	925	24300	96.4	21	900.0	1176	5797	23.0	33	12000	5	6	
10	84.00	911	23375	92.8	22	1100.0	1239	4621	18.3	34	15000	1	1	
11	100.00	1684	22464	89.1	23	1400.0	890	3382	13.4					

VALUE EXCEEDED 'P' PERCENT OF TIME

V95 = 74.00
V90 = 96.00
V75 = 170.00
V70 = 200.00
V50 = 360.00
V25 = 840.00
V10 = 1700.00

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